

TORNADO series

Features:

- # Base station antenna, Mono-band
- # Low-gain, Omnidirectional
- # TORNADO 36-42, 42-50 and 50-60 tunable by whip length adjust
- # Made of aluminium alloy 6063 T-832

Specifications

Electrical Data

Type	5/8 Ground Plane
TORNADO 43	design frequency 43 MHz
TORNADO 36-42	tunable from 36 to 42 MHz
TORNADO 42-50	tunable from 42 to 50 MHz
TORNADO 50-60	tunable from 50 to 60 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Polarization	Vertical
Gain	1.2 dBd - 3.35 dBi
Bandwidth at V.S.W.R. 2:1: TORNADO 43	2.7 MHz
TORNADO 36-42	2.3 MHz at 36 MHz
TORNADO 42-50	2.7 MHz at 42 MHz
TORNADO 50-60	3.1 MHz at 50 MHz
V.S.W.R. at res. freq.	1.2 : 1
Max Power	1000 Watts
Feed System / Position	Transformer / Base
Connection	UHF-Female

Mechanical Data

Materials	Aluminium, Nylon, Brass
Wind Load / Resistance	146 N at 150 Km/h / 150 Km/h
Wind surface	0.13 m ²
Height (approx.)	
TORNADO 43 / 36-42	4580 / 5650 mm
TORNADO 42-50 / 50-60	5010 / 4100 mm
Weight (approx.)	2100 gr
Radial Length (approx.)	1170 mm
Mounting Mast	35 - 42 mm

- code 2108701.00 TORNADO 43
- code 2108601.00 TORNADO 36-42
- code 2107801.00 TORNADO 42-50
- code 2108901.00 TORNADO 50-60

BOOMERANG 43

Features:

- # Balcon or temporary installation antenna
- # Mono-band, Unity-gain, Omnidirectional

Specifications

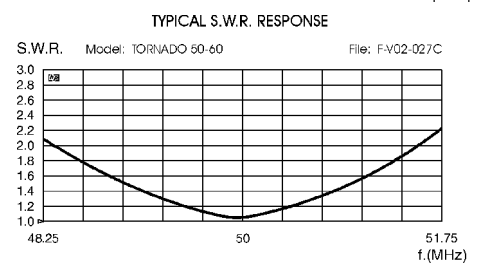
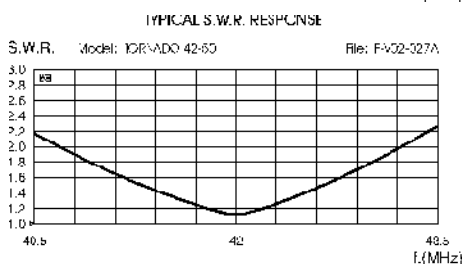
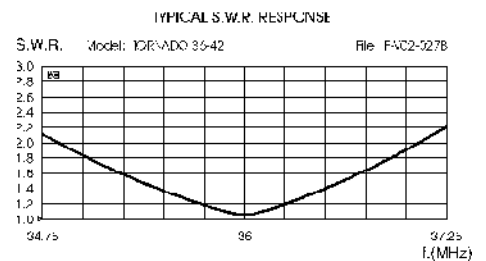
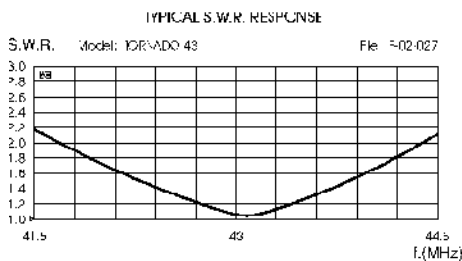
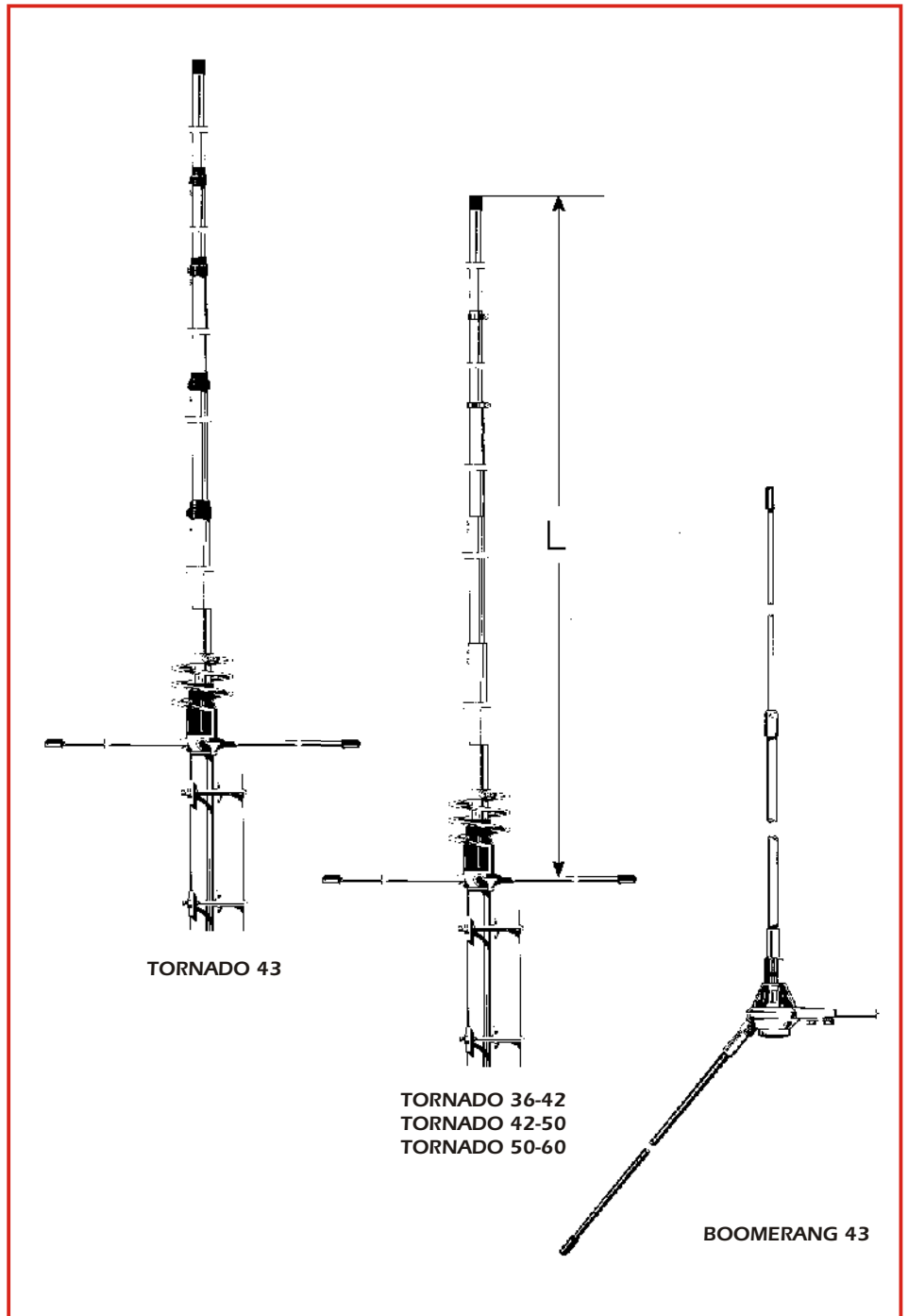
Electrical Data

Type	1/4 Ground Plane Boomerang
Design Frequency	43 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Polarization	Vertical
Gain	0 dBd - 2.15 dBi
Bandwidth at V.S.W.R. 2:1	2.4 MHz
V.S.W.R. at res. freq.	1.2 : 1
Max Power	150 Watts
Feed System / Position	Direct / Center
Connection	UHF-Female

Mechanical Data

Materials	Aluminium, Glass fibre, Steel
Wind Load / Resistance	22 N at 150 Km/h / 150 Km/h
Wind surface	0.02 m ²
Height (approx.)	2270 mm
Weight (approx.)	460 gr
Radial Length (approx.)	685 mm

- code 2107101.00 BOOMERANG 43



GPA 40-70

Features:

- # Base station antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip length adjust
- # Made of aluminium alloy 6063 T-832
- # Side mast mounting allowed by optional bracket FT-2 code 251 0004.00 (pag. 59)

Specifications

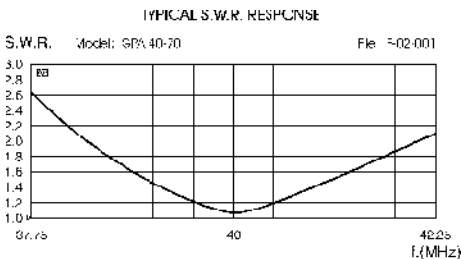
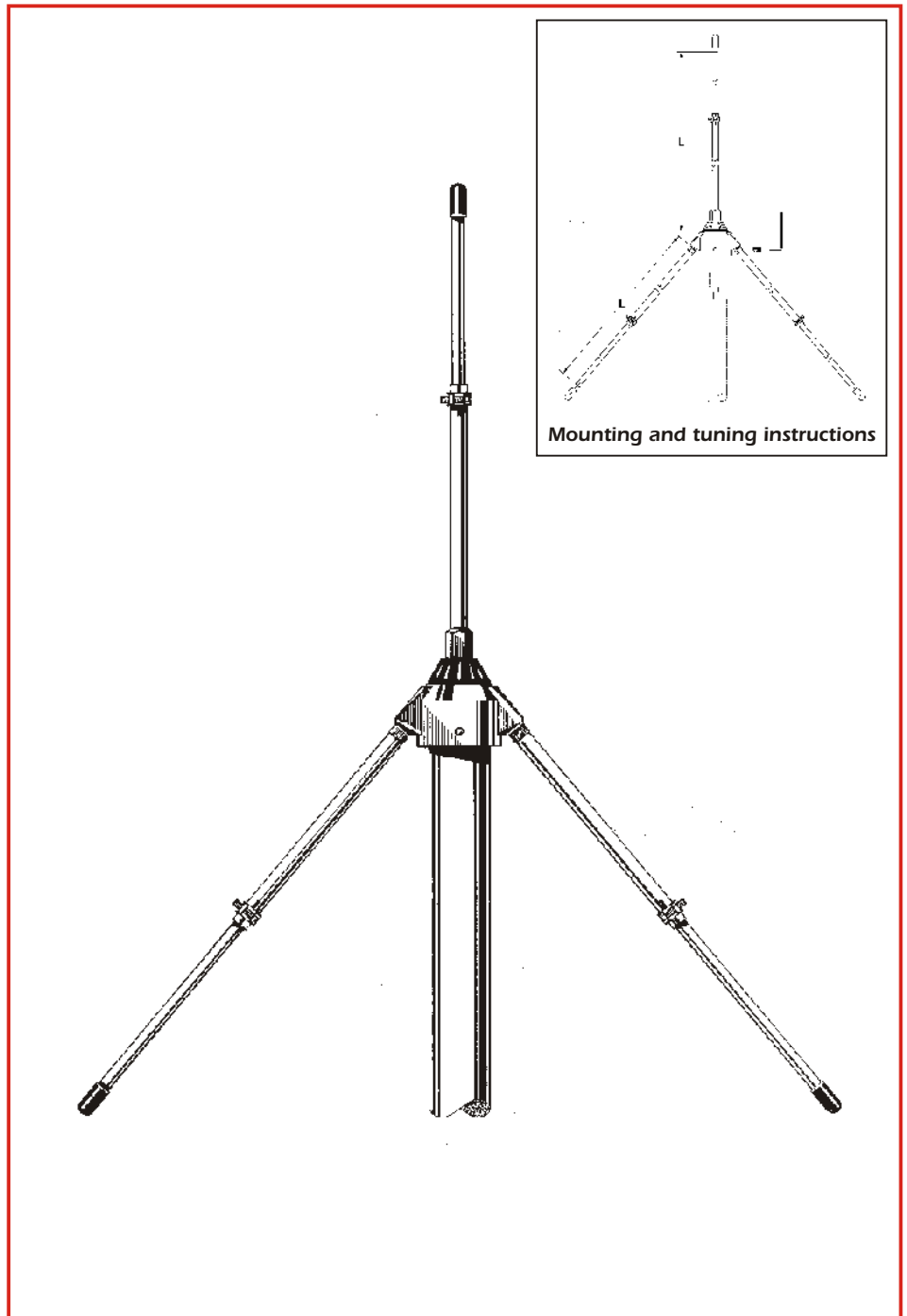
Electrical Data

Type 1/4 Ground Plane
 Frequency Range tunable from 40 to 70 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 86°
 Radiation angle deg. 0°
 Polarization Vertical
 Gain 0 dBd - 2.15 dBi
 Bandwidth at V.S.W.R. 2:1 3.7 MHz at 40 MHz
 V.S.W.R. at res. freq. 1.2 : 1 at 40 MHz
 Max Power 1000 Watts
 Feed System / Position Direct / Center
 Connection UHF-Female

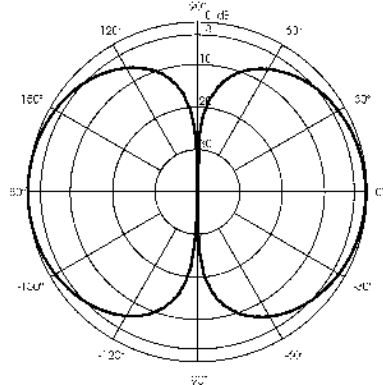
Mechanical Data

Materials Aluminium, Chromed Brass, Nylon
 Wind Load / Resistance 85 N at 150 Km/h / 150 Km/h
 Wind Surface 0.07 m²
 Height (approx.) 3200 mm
 Weight (approx.) 935 gr
 Radial Length (approx.) 1800 mm
 Mounting Mast 35 - 40 mm

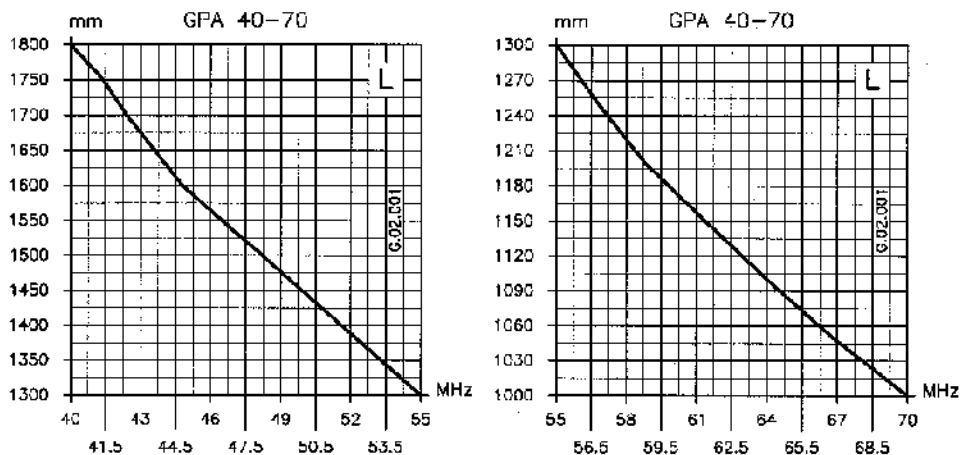
code 2101401.00



TYPICAL RADIATION PATTERN in E-plane at 40 MHz
 File: 5-02-001 Source: linear



TYPICAL TUNING DIAGRAMS*



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

GPA 66-108

Features:

- # Base station antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip length adjust
- # Made of aluminium alloy 6063 T-832
- # Side mast mounting allowed by optional bracket FT-2 code 2510004.00 (pag. 59)

Specifications

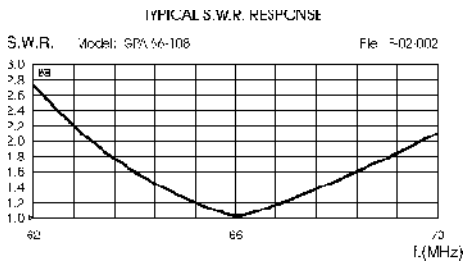
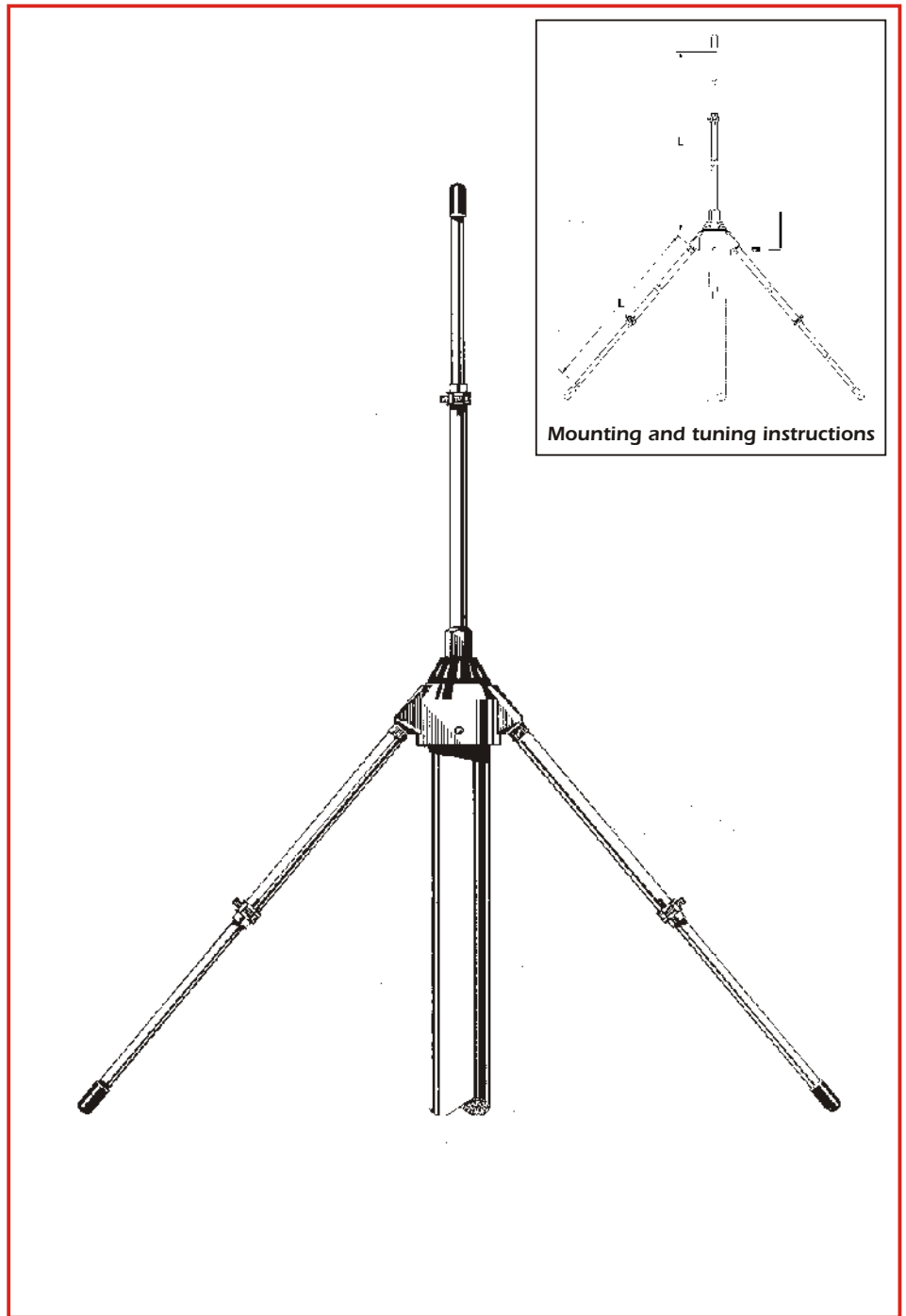
Electrical Data

Type 1/4 Ground Plane
 Frequency Range tunable from 66 to 108 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 86°
 Radiation angle deg. 0°
 Polarization Vertical
 Gain 0 dBd - 2.15 dBi
 Bandwidth at V.S.W.R. 2:1 6.5 MHz at 66 MHz
 V.S.W.R. at res. freq. 1.2 : 1 at 66 MHz
 Max Power 500 Watts
 Feed System / Position Direct / Center
 Connection UHF-Female

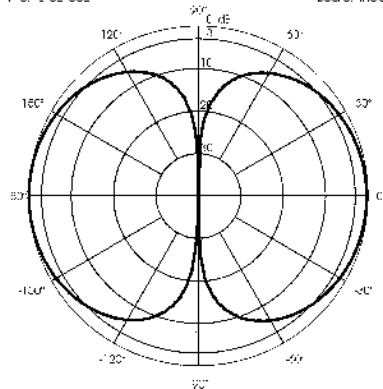
Mechanical Data

Materials Aluminium, Chromed Brass, Nylon
 Wind Load / Resistance 54 N at 150 Km/h / 150 Km/h
 Wind Surface 0.05 m²
 Height (approx.) 1930 mm
 Weight (approx.) 700 gr
 Radial Length (approx.) 1080 mm
 Mounting Mast 35 - 40 mm

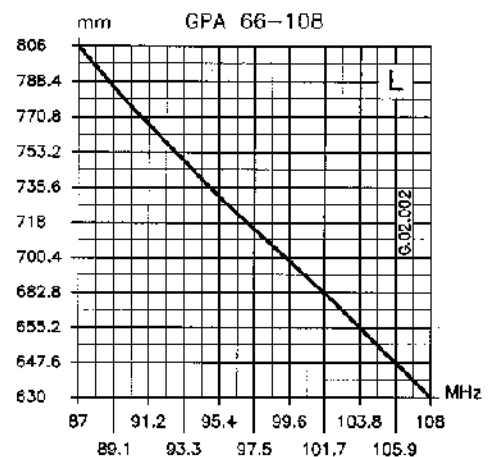
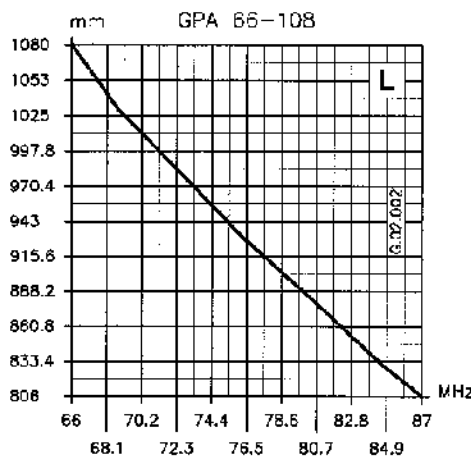
code 2101501.00



TYPICAL RADIATION PATTERN in E-plane at 66 MHz
 File: F-02-002 Source: linear



TYPICAL TUNING DIAGRAMS*



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

GP 66-78 LB
GP 76-88 LB

UP-GRADED Features:

- # More protection against the worst weather conditions
- # New radials locking system "screw-on"
- # Stainless steel hardware
- # New feeding system design
- # New connectors available: standard "UHF" female with gold plated central pin or "N" female with gold plated central pin and teflon insulator
- # Mounting on mast up to Ø 40 mm (old version max Ø 38 mm)

Features:

- # Base station antenna, Wide-band
- # Unity-gain, Omnidirectional
- # Protection from static discharges DC-Ground
- # Made of anodized aluminium alloy
- # Side mast mounting allowed by optional bracket FT-2 code 2510004.00 (pag. 59)

Specifications

Electrical Data

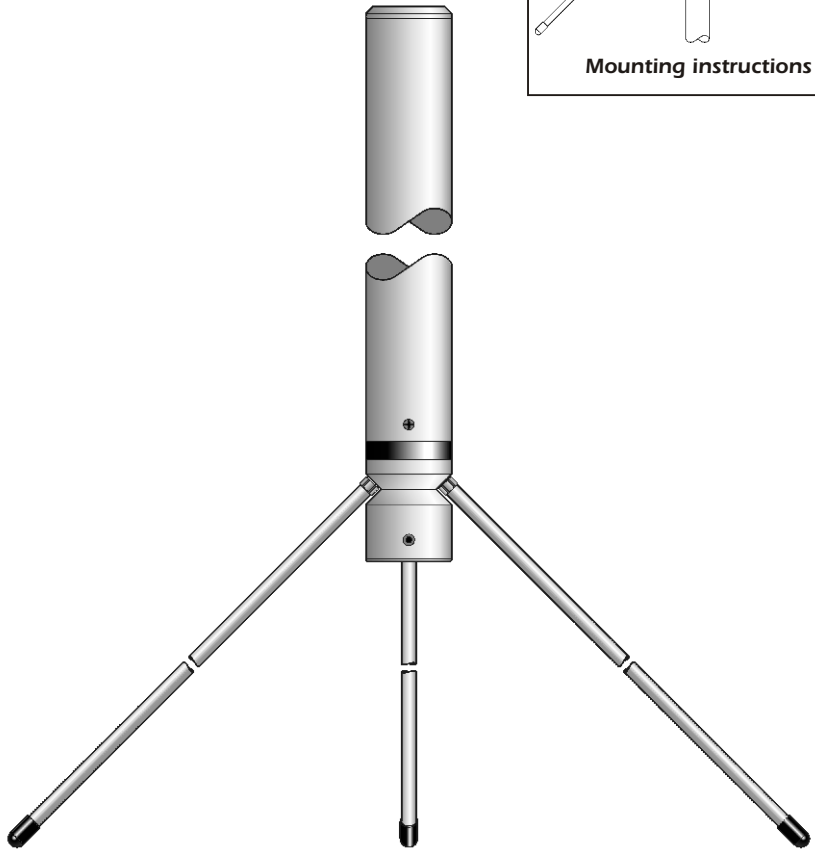
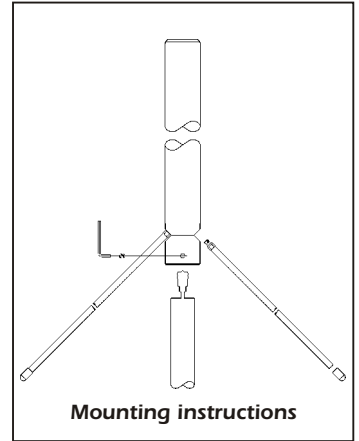
Type	1/4	Folded Ground Plane
Frequency Range at V.S.W.R. 2:1		
GP 66-78 LB	66-78	MHz
GP 76-88 LB	76-88	MHz
Impedance	50	Unbalanced
Radiation (H-plane)	360°	Omnidirectional
Radiation (E-plane)	Beamwidth at -3 dB = 78°	
Radiation angle deg.	0°	
Polarization	Vertical	
Gain	0 dBd - 2.15 dBi	
Bandwidth at V.S.W.R. 2:1		
GP 66-78 LB	12	MHz
GP 76-88 LB	14	MHz
V.S.W.R. at res. freq.	1.2 : 1	
Max Power	1000	Watts
Feed System / Position	Direct DC-Ground / Center	Connection
GP xxx LB/ UHF	UHF-Female	
GP xxx LB/ N	N-Female	

Mechanical Data

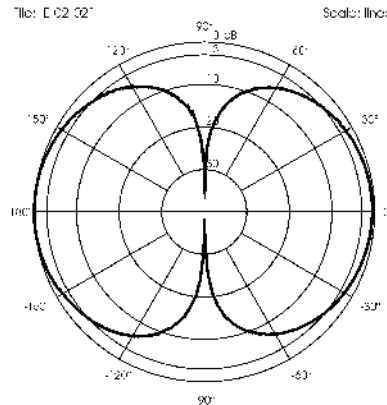
Materials	Anodized Aluminium, Nylon, Stainless Steel	
Wind Load / Resistance		
GP 66-78 LB	98 N at 150 Km/h / 130 Km/h	
GP 76-88 LB	85 N at 150 Km/h / 130 Km/h	
Wind Surface		
GP 66-78 LB	0.09	m ²
GP 76-88 LB	0.07	m ²
Height (approx.)		
GP 66-78 LB	1640	mm
GP 76-88 LB	1400	mm
Weight (approx.)		
GP 66-78 LB	1930	gr
GP 76-88 LB	1710	gr
Radial Length (approx.)		
GP 66-78 LB	1160	mm
GP 76-88 LB	1030	mm
Mounting Mast	36-40	mm

- code 2105601.00 GP 66-78 LB/UHF
- code 2105701.00 GP 76-88 LB/UHF
- code 2105601.00/N GP 66-78 LB/N
- code 2105701.00/N GP 76-88 LB/N

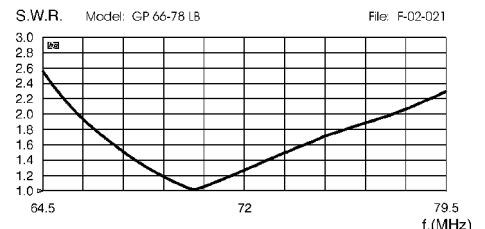
NEW UP-GRADED MODEL



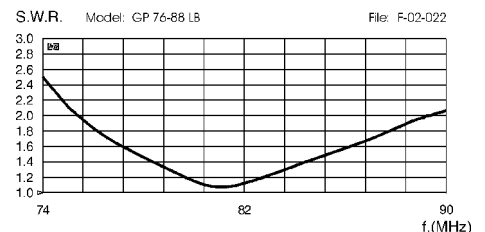
TYPICAL RADIATION PATTERN in E-plane at mid-band



TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



CX 4 m

Features:

- # Base station antenna, Low-gain
- # Omnidirectional, Mono-band
- # Factory tunable according to specific customer's frequency
- # Protection from static discharges DC-Ground
- # Made of aluminium alloy 6063 T-832

Specifications

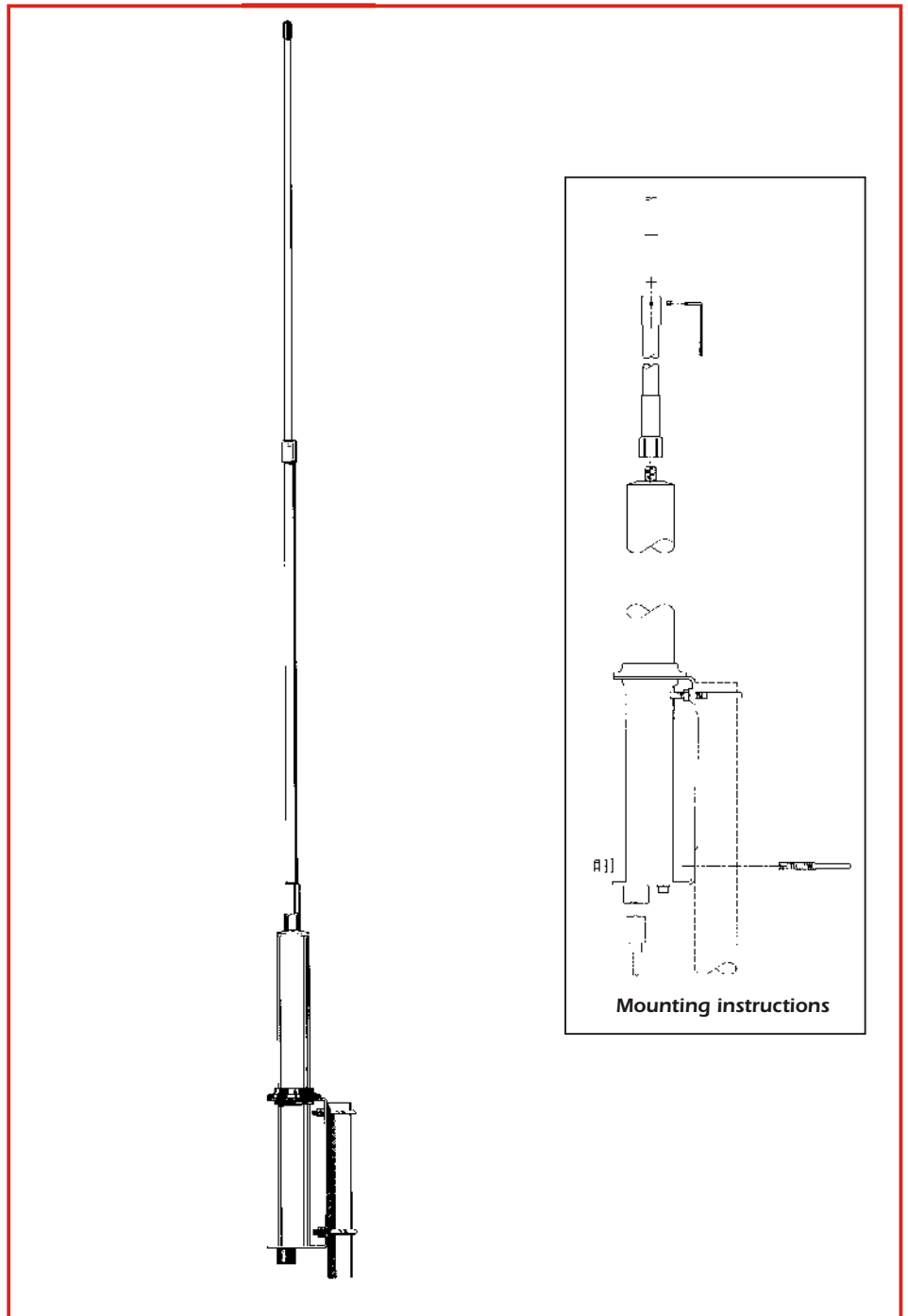
Electrical Data

Type	3/4 Coaxial J-Pole
Frequency Range at V.S.W.R. 2:1	
CX 4-71	70-74 MHz
CX 4-75	73-77 MHz
CX 4-79	77-81 MHz
CX 4-83	81-85 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Radiation (E-plane)	Beamwidth at -3 dB = 60°
Radiation angle deg.	3°
Polarization	Vertical
Gain	2 dBd - 4.15 dBi
Bandwidth at V.S.W.R. 2:1	4 MHz
V.S.W.R. at res. freq.	1.2: 1
Max Power	500 Watts
Feed System / Position	Gamma Match / Base Connection
Connection	UHF-Female

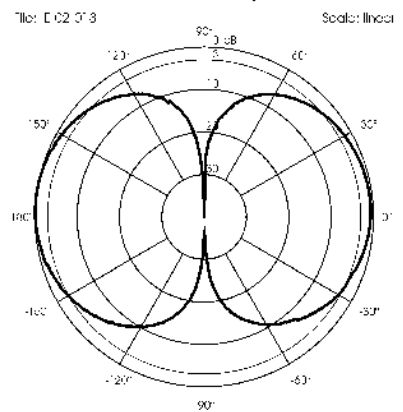
Mechanical Data

Materials	Aluminium, Nylon, Stainless Steel, Brass
Wind Load / Resistance	97 N at 150 Km/h / 150 Km/h
Wind Surface	0.08 m ²
Height (approx.)	
CX 4-71	2975 mm
CX 4-75	2890 mm
CX 4-79	2725 mm
CX 4-83	2605 mm
Weight (approx.)	
CX 4-71	1600 gr
CX 4-75	1500 gr
CX 4-79	1500 gr
CX 4-83	1400 gr
Mounting Mast	35-42 mm

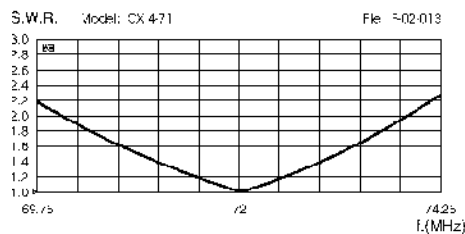
- code 2104301.00 CX 4-71**
- code 2104401.00 CX 4-75**
- code 2104501.00 CX 4-79**
- code 2104601.00 CX 4-83**



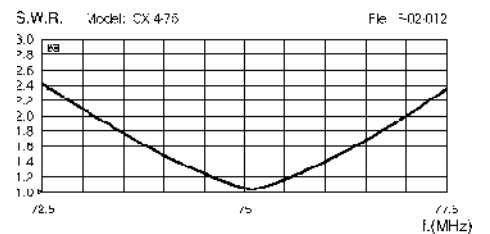
TYPICAL RADIATION PATTERN in E-plane at mid-band



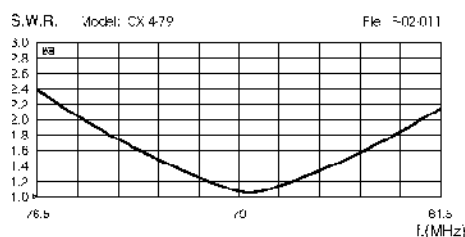
TYPICAL S.W.R. RESPONSE



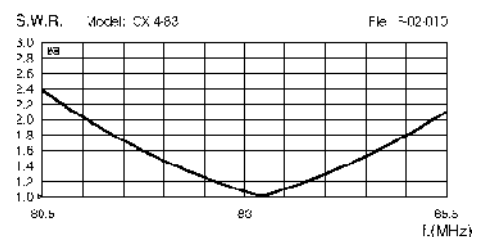
TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



GP 87-108 LB
GP 108-136 LB

UP-GRADED Features:

- # More protection against the worst weather conditions
- # New radials locking system "screw-on"
- # Stainless steel hardware
- # New feeding system design
- # New connectors available: standard "UHF" female with gold plated central pin or "N" female with gold plated central pin and teflon insulator
- # Mounting on mast up to Ø 40 mm (old version max Ø 38 mm)

Features:

- # Base station antenna, Wide-band
- # Unity-gain, Omnidirectional
- # Protection from static discharges DC-Ground
- # Made of anodized aluminium alloy
- # Side mast mounting allowed by optional bracket FT-2 code 2510004.00 (pag. 59)

Specifications

Electrical Data

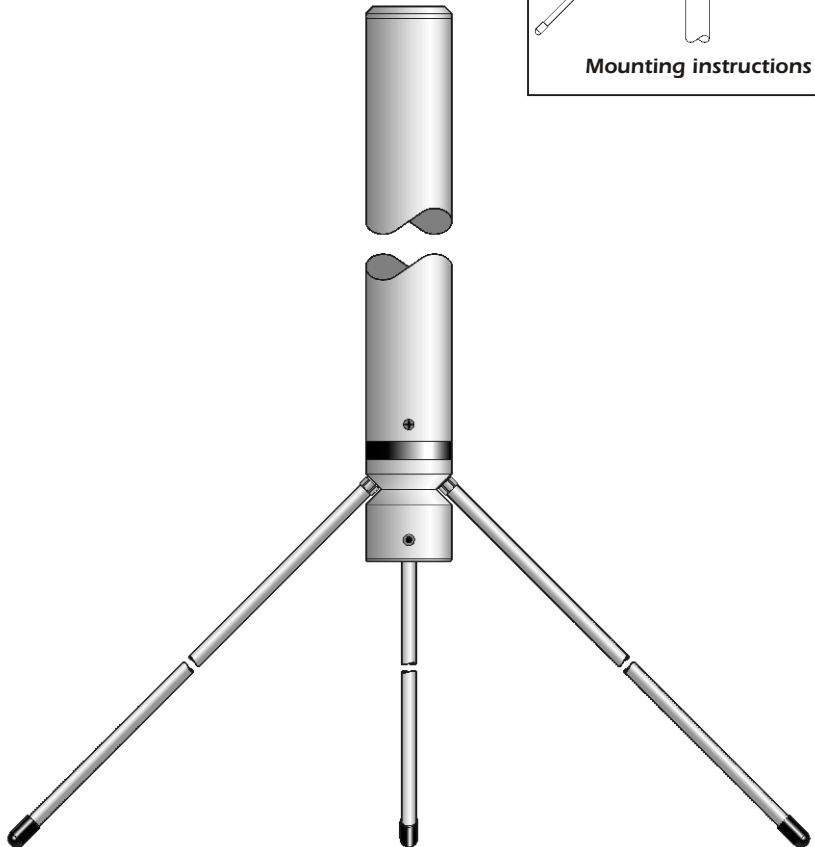
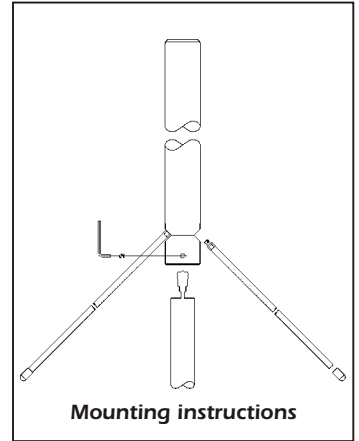
Type	1/4	Folded Ground Plane
Frequency Range		
GP 87-108 LB	87-108 MHz (V.S.W.R. 2.5:1)	
GP 108-136 LB	RX 108-136 MHz;	
.....	TX 118-136 MHz (V.S.W.R. 2:1)	
Impedance	50	Unbalanced
Radiation (H-plane)	360°	Omnidirectional
Radiation (E-plane)	Beamwidth at -3 dB = 78°	
Radiation angle deg.	0°	
Polarization	Vertical	
Gain	0 dBd - 2.15 dBi	
Bandwidth at V.S.W.R. 2:1		
GP 108-136 LB	22 MHz	
V.S.W.R. at res. freq.	1.2 : 1	
Max Power	1000 Watts	
Feed System / Position	Direct DC-Ground / Center	
Connection		
GP xxx LB/UHF	UHF-Female	
GP xxx LB/N	N-Female	

Mechanical Data

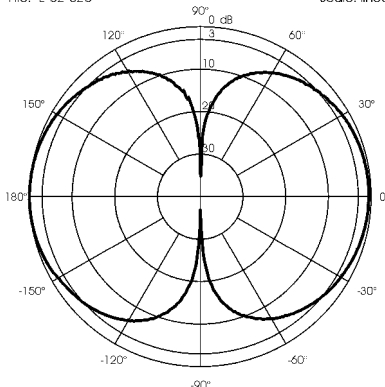
Materials	Anodized Aluminium, Nylon, Stainless Steel
Wind Load / Resistance	
GP 87-108 LB	67 N at 150 Km/h / 160 Km/h
GP 108-136 LB	56 N at 150 Km/h / 160 Km/h
Wind Surface	0.05 m ²
Height (approx.)	
GP 87-108 LB	1190 mm
GP 108-136 LB	890 mm
Weight (approx.)	
GP 87-108 LB	1500 gr
GP 108-136 LB	1310 gr
Radial length (approx.)	
GP 87-108 LB	1200 mm
GP 108-136 LB	655 mm
Mounting Mast	36-40 mm

- code 2105801.00 GP 87-108 LB/UHF**
- code 2101901.00 GP 108-136 LB/UHF**
- code 2105801.00/N GP 87-108 LB/N**
- code 2101901.00/N GP 108-136 LB/N**

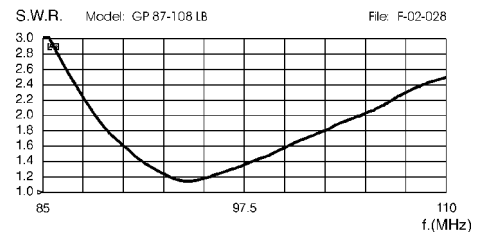
NEW UP-GRADED MODEL



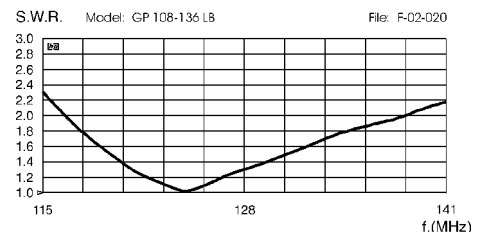
TYPICAL RADIATION PATTERN in E-plane at 122 MHz
File: E-02-020 Scale: linear



TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



GP 160 LB

UP-GRADED Features:

- # More protection against the worst weather conditions
- # New radials locking system "screw-on"
- # Stainless steel hardware
- # New feeding system design
- # New connectors available: standard "UHF" female with gold plated central pin or "N" female with gold plated central pin and teflon insulator
- # Mounting on mast up to Ø 40 mm (old version max Ø 38 mm)

Features:

- # Base station antenna, Wide-band
- # Unity-gain, Omnidirectional
- # Protection from static discharges DC-Ground
- # Made of anodized aluminium alloy
- # Side mast mounting allowed by optional bracket FT-2 code 2510004.00 (pag. 59)

Specifications

Electrical Data

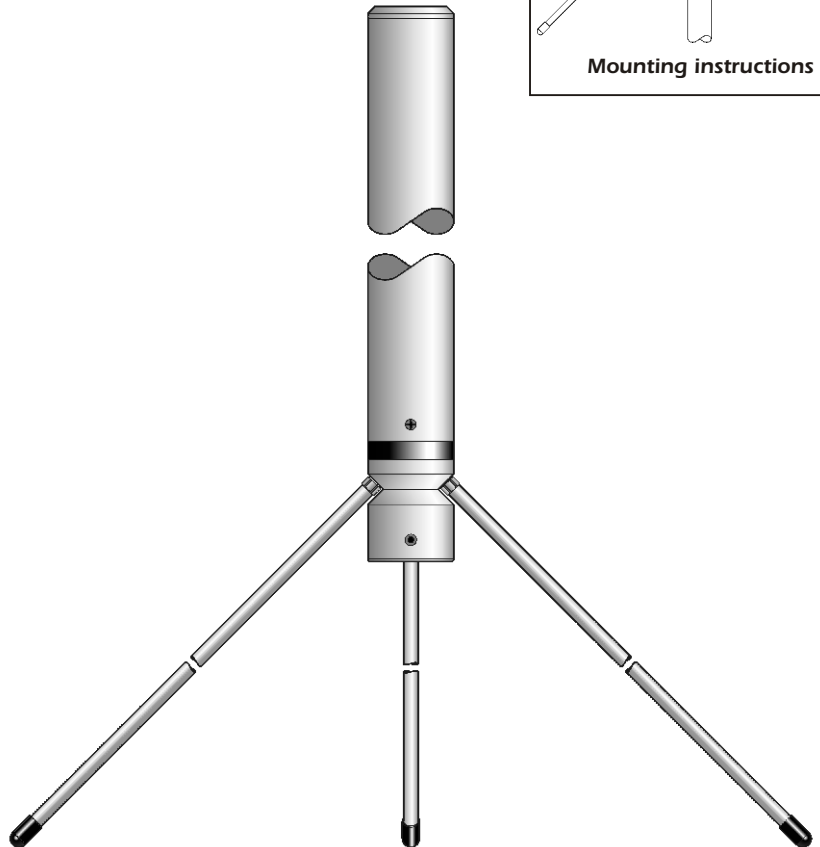
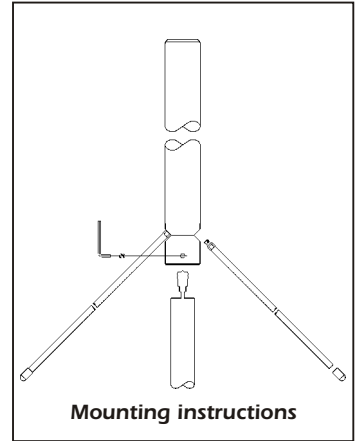
Type	1/4	Folded Ground Plane
Frequency Range at V.S.W.R. 2:1	145-175	MHz
Impedance	50	Unbalanced
Radiation (H-plane)	360°	Omnidirectional
Radiation (E-plane)	Beamwidth at -3 dB = 78°	
Radiation angle deg.	0°	
Polarization	Vertical	
Gain	0 dBd - 2.15 dBi	
Bandwidth at V.S.W.R. 2:1	30	MHz
V.S.W.R. at res. freq.	1.2: 1	
Max Power	1000	Watts
Feed System / Position	Direct DC-Ground / Center	Connection
GP 160 LB/UHF	UHF-Female	
GP 160 LB/N	N-Female	

Mechanical Data

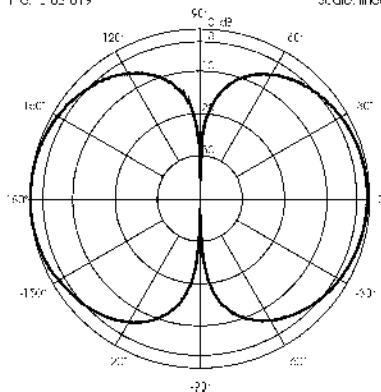
Materials	Anodized Aluminium, Nylon, Stainless Steel
Wind Load / Resistance	43 N at 150 Km/h / 160 Km/h
Wind Surface	0.04 m ²
Height (approx.)	700 mm
Weight (approx.)	1150 gr
Radial lenght (approx.)	520 mm
Mounting Mast	36-40 mm

code 2102001.00 GP 160 LB/UHF
code 2102001.00/N GP 160 LB/N

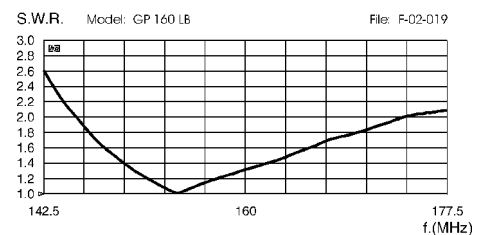
NEW UP-GRADED MODEL



TYPICAL RADIATION PATTERN in E-plane at 160 MHz
 File: F-02-019 Scale: linear



TYPICAL S.W.R. RESPONSE
 Model: GP 160 LB File: F-02-019



GPA 108-136

Features:

- # Base station antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip length adjust
- # Made of aluminium alloy 6063 T-832
- # Side mast mounting allowed by optional bracket FT-2 code 2510004.00 (pag. 59)

Specifications

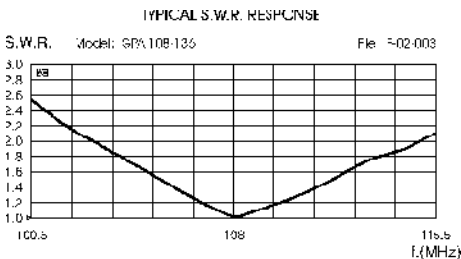
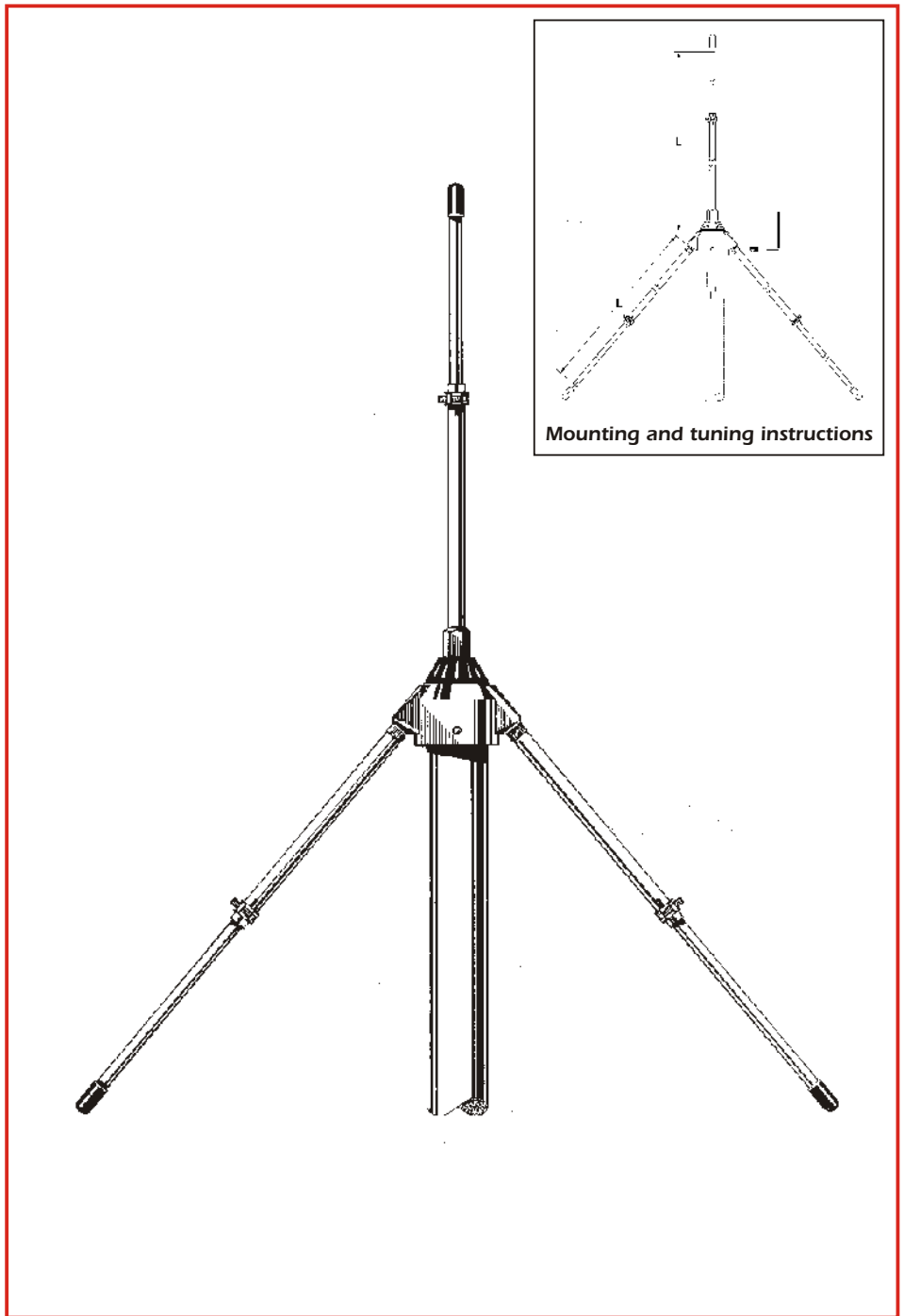
Electrical Data

Type 1/4 Ground Plane
 Frequency Range tunable from 108 to 136 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 86°
 Radiation angle deg. 0°
 Polarization Vertical
 Gain 0 dBd - 2.15 dBi
 Bandwidth at V.S.W.R. 2:1 12.2 MHz at 108 MHz
 V.S.W.R. at res. freq. 1.2 : 1 at 108 MHz
 Max Power 500 Watts
 Feed System / Position Direct / Center
 Connection UHF-Female

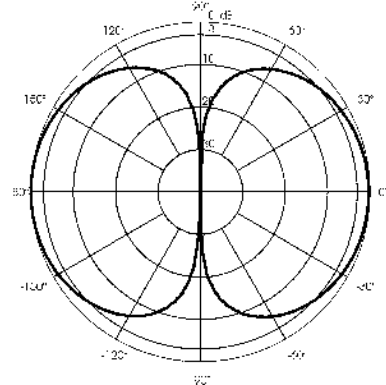
Mechanical Data

Materials Aluminium, Chromed Brass, Nylon
 Wind Load / Resistance 35 N at 150 Km/h / 150 Km/h
 Wind Surface 0.03 m²
 Height (approx.) 1185 mm
 Weight (approx.) 565 gr
 Radial Length (approx.) 650 mm
 Mounting Mast 35 - 40 mm

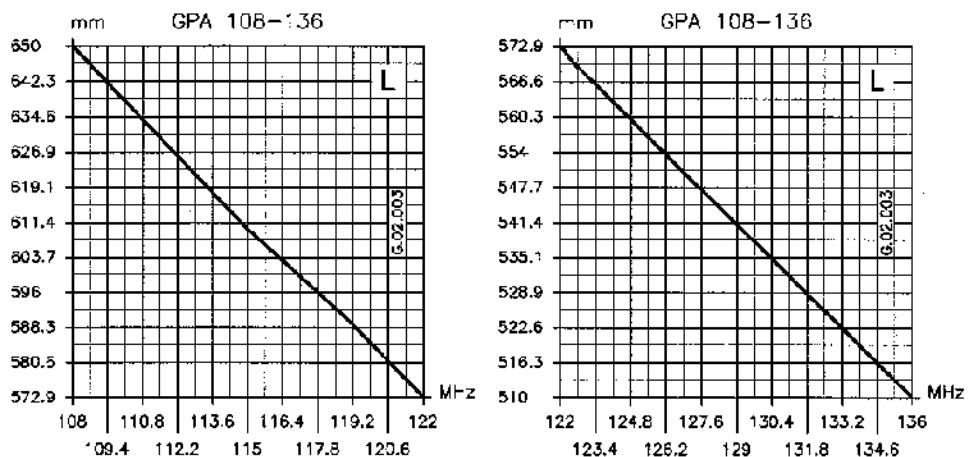
code 2108501.00



TYPICAL RADIATION PATTERN in E-plane at 108 MHz
 File: 5-02-003 Source: linear



TYPICAL TUNING DIAGRAMS*



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

GPA 135-175

Features:

- # Base station antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip length adjust
- # Made of aluminium alloy 6063 T-832
- # Side mast mounting allowed by optional bracket FT-2 code 251 0004.00 (pag. 59)

Specifications

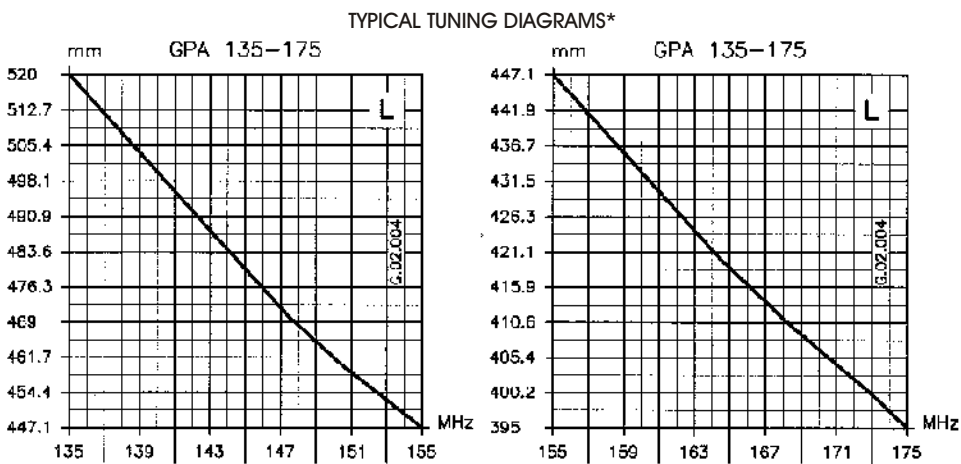
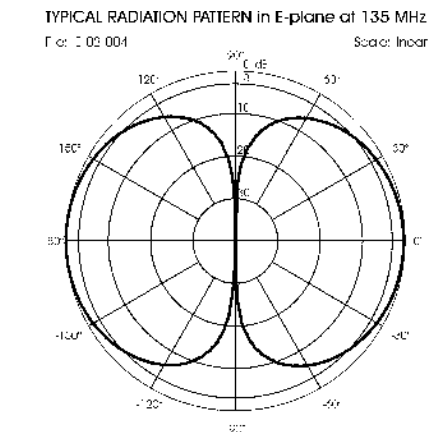
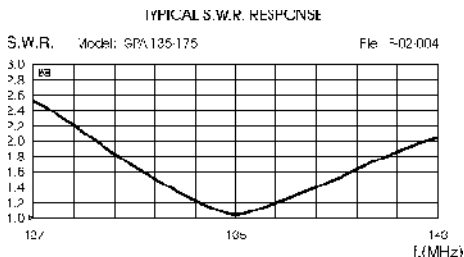
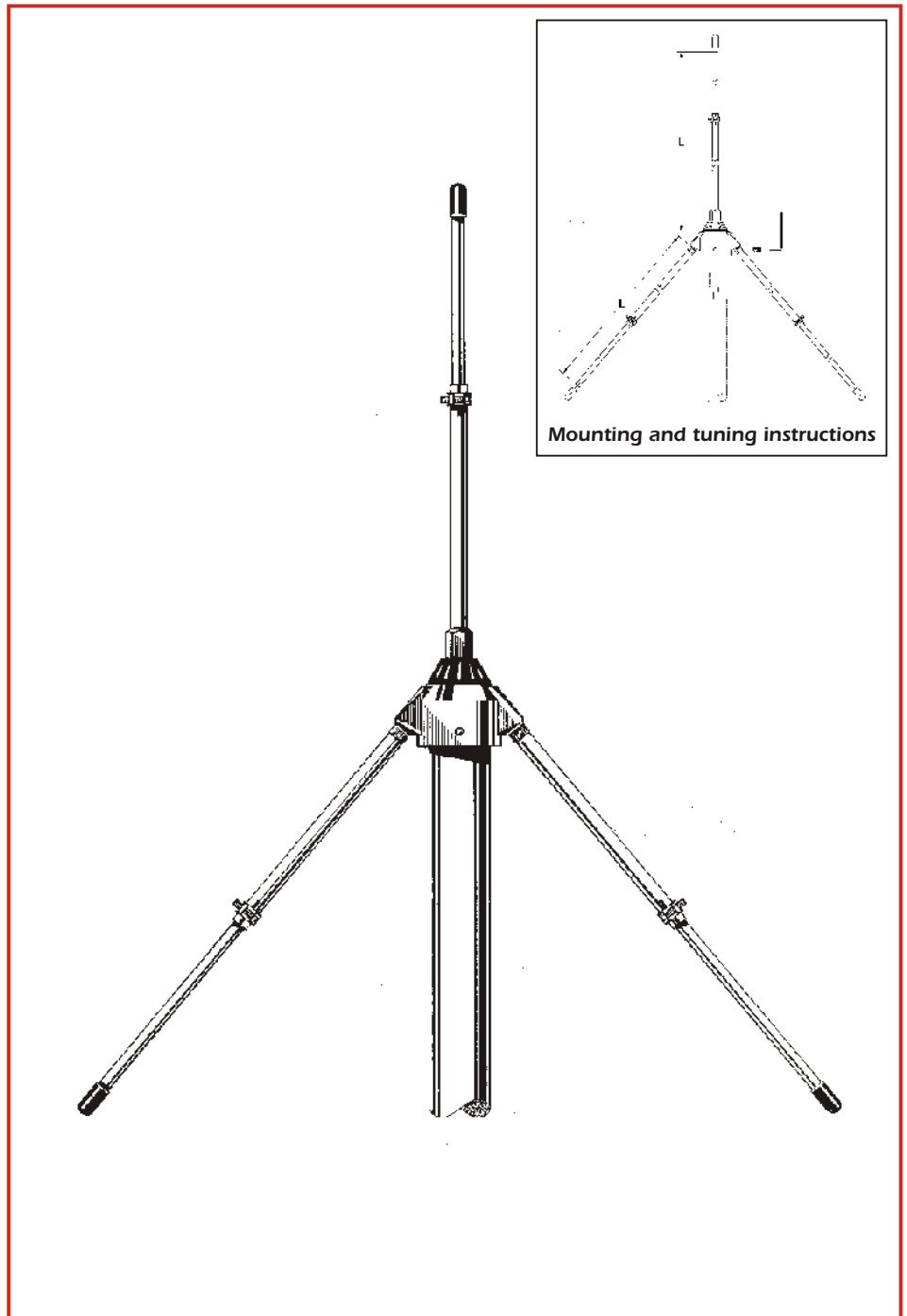
Electrical Data

Type 1/4 Ground Plane
 Frequency Range tunable from 135 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 86°
 Radiation angle deg. 0°
 Polarization Vertical
 Gain 0 dBd - 2.15 dBi
 Bandwidth at V.S.W.R. 2:1 13 MHz at 135 MHz
 V.S.W.R. at res. freq. 1.2 : 1 at 135 MHz
 Max Power 300 Watts
 Feed System / Position Direct / Center
 Connection UHF-Female

Mechanical Data

Materials Aluminium, Chromed Brass, Nylon
 Wind Load / Resistance 29 N at 150 Km/h / 180 Km/h
 Wind Surface 0.03 m²
 Height (approx.) 960 mm
 Weight (approx.) 520 gr
 Radial Length (approx.) 520 mm
 Mounting Mast 35 - 40 mm

code **2101601.00**



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

GP 3-F

Features:

- # Base station antenna, Omnidirectional
- # Low-gain, Mono-band
- # Suitable for land and marine service
- # Tunable by whip cutting
- # Protection from static discharges DC-Ground
- # White fiberglass conic whip and radials
- # Side mast mounting allowed by optional bracket FT-3 code 2511301.00 (pag. 59)

Specifications

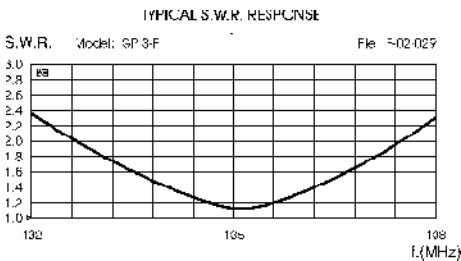
Electrical Data

Type 5/8 Ground Plane
 Frequency Range tunable from 135 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 68°
 Radiation angle deg. 25°
 Polarization Vertical
 Gain 1.5 dBd - 3.65 dBi
 Bandwidth at V.S.W.R. 2:1 4.8 MHz at 135 MHz
 V.S.W.R. at res. freq. 1.2 : 1 at 135 MHz
 Max Power 200 Watts
 Feed System / Position Transformer DC-Ground / Base
 Connection UHF-Female

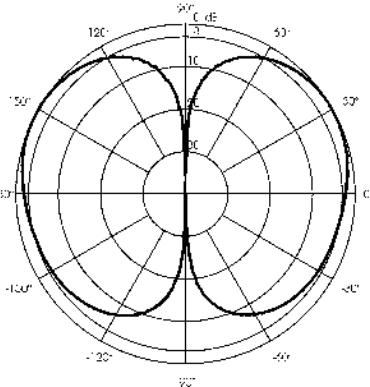
Mechanical Data

Materials Fibreglass, Chromed Brass, Nylon
 Wind Load / Resistance 23 N at 150 Km/h / 150 Km/h
 Wind Surface 0.02 m²
 Height (approx.) 1335 mm
 Weight (approx.) 585 gr
 Radial Length (approx.) 470 mm
 Mounting Mast 25-30 mm

code 2108020.00



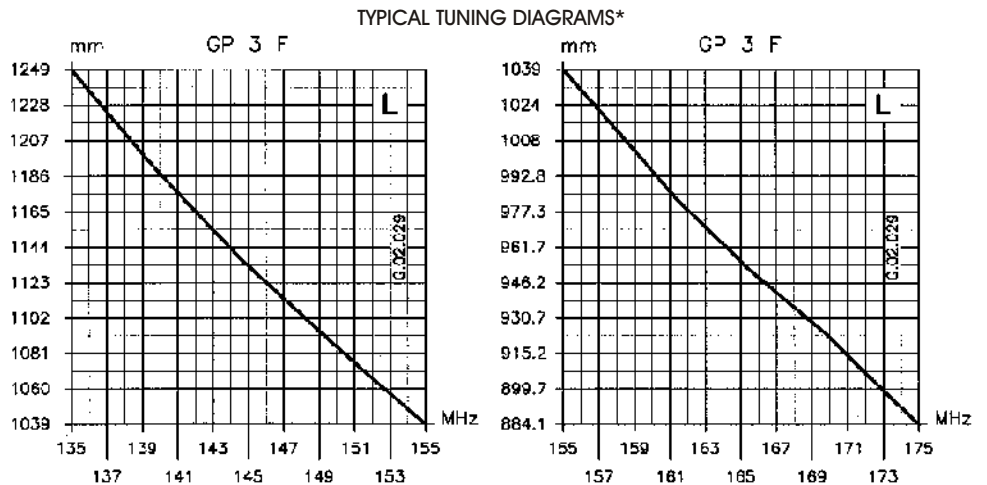
TYPICAL RADIATION PATTERN in E-plane at 145 MHz
 File: 1-02-029 Scale: linear



TYPICAL MATCHING DIAGRAM vs FREQUENCY

TYPICAL BANDWIDTH DIAGRAM vs FREQUENCY

Mounting and tuning instructions



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

GP 3-E

Features:

- # Base station antenna, Omnidirectional
- # Low-gain, Mono-band
- # Suitable for land and marine service
- # Tunable by whip length adjust
- # Protection from static discharges DC-Ground
- # Made of aluminium alloy 6063 T-832
- # Side mast mounting allowed by optional bracket FT-3 code 2511301.00 (pag. 59)

Specifications

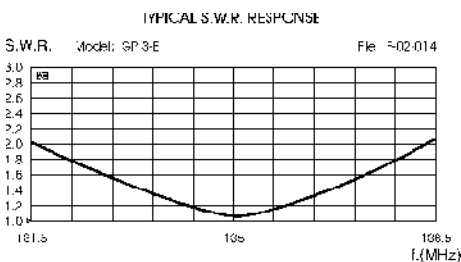
Electrical Data

Type 5/8 Ground Plane
 Frequency Range tunable from 135 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 67°
 Radiation angle deg. 18°
 Polarization Vertical
 Gain 1.5 dBd - 3.65 dBi
 Bandwidth at V.S.W.R. 2:1 6.7 MHz at 135 MHz
 V.S.W.R. at res. freq. 1.2 : 1 at 135 MHz
 Max Power 200 Watts
 Feed System / Position Transformer DC-Ground / Base
 Connection UHF-Female

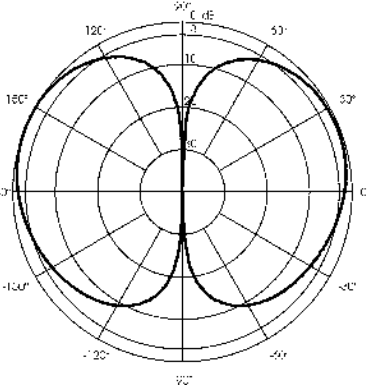
Mechanical Data

Materials Aluminium, Copper, Nylon
 Wind Load / Resistance 28 N at 150 Km/h / 150 Km/h
 Wind Surface 0.02 m²
 Height (approx.) 1480 mm
 Weight (approx.) 570 gr
 Radial Length (approx.) 530 mm
 Mounting Mast 25-30 mm

code **2101801.00**



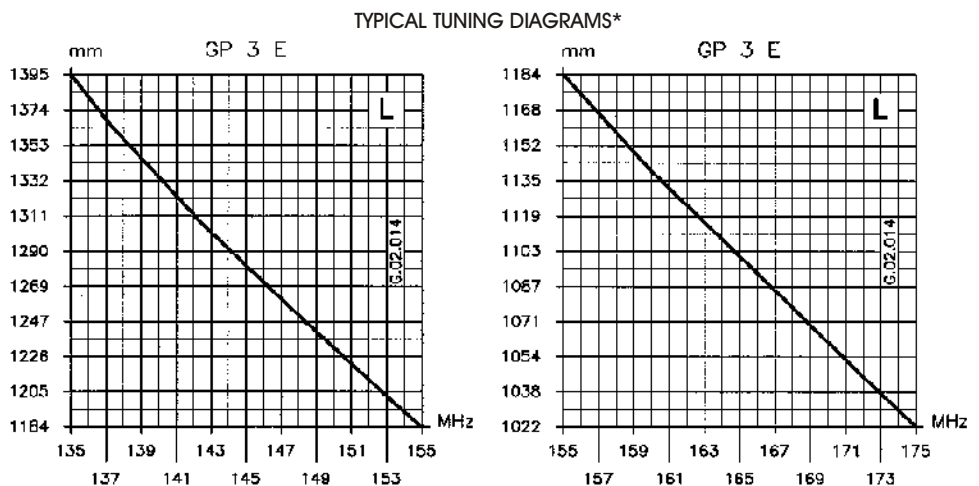
TYPICAL RADIATION PATTERN in E-plane at 145 MHz
 File: F-02-014 Scale: linear



TYPICAL MATCHING DIAGRAM vs FREQUENCY

TYPICAL BANDWIDTH DIAGRAM vs FREQUENCY

Mounting and tuning instructions



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

GP 6-E

Features:

- # Base station antenna, Omnidirectional
- # Medium-gain, Mono-band
- # Suitable for land and marine service
- # Tunable by whip cutting
- # Protection from static discharges DC-Ground
- # Made of aluminium alloy 6063 T-832
- # Side mast mounting allowed by optional bracket FT-3 code 2511301.00 (pag. 59)

Specifications

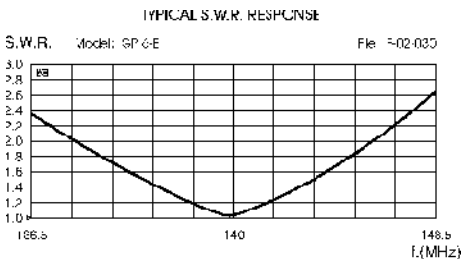
Electrical Data

Type 2 x 5/8 Ground Plane Colinear
 Frequency Range tunable from 140 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 30°
 Radiation angle deg. 3.6°
 Polarization Vertical
 Gain 3.8 dBd - 5.95 dBi
 Bandwidth at V.S.W.R. 2:1 5.2 MHz at 140 MHz
 V.S.W.R. at res. freq. 1.2 : 1 at 140 MHz
 Max Power 200 Watts
 Feed System / Position Transformer DC-Ground / Base
 Connection UHF-Female

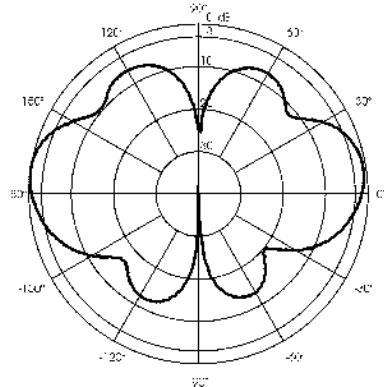
Mechanical Data

Materials Aluminium, Chromed Brass, Nylon
 Wind Load / Resistance 46 N at 150 Km/h / 120 Km/h
 Wind Surface 0.04 m²
 Height (approx.) 3060 mm
 Weight (approx.) 750 gr
 Radial Length (approx.) 530 mm
 Mounting Mast 25-30 mm

code 2108101.00

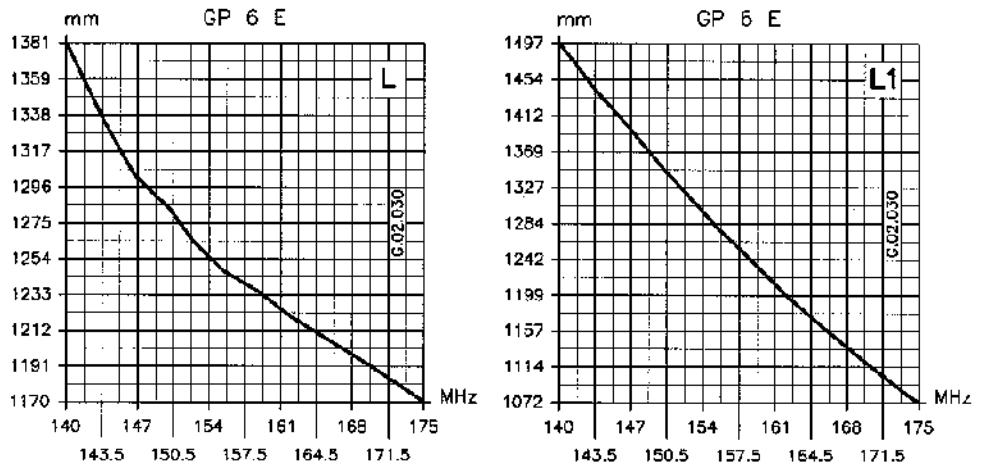


TYPICAL RADIATION PATTERN in E-plane at 145 MHz
 File: F-02-030 Scale: linear



This large image contains several technical diagrams and a photograph of the antenna. At the top left is a 'TYPICAL MATCHING DIAGRAM vs FREQUENCY' showing SWR vs frequency. Below it is a 'TYPICAL BANDWIDTH DIAGRAM vs FREQUENCY' showing SWR vs frequency. To the right is a 'Mounting and tuning instructions' diagram showing the antenna's connection to a mast and the location of the whip. In the center is a vertical photograph of the antenna assembly. At the bottom is a horizontal photograph of the antenna's base and mounting bracket.

TYPICAL TUNING DIAGRAMS*



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

GPF 21-N

Features:

- # Base station antenna, Mono-band
- # Low-gain, Omnidirectional
- # Suitable for land and marine service
- # Tunable by whip cutting
- # Protection from static discharges DC-Ground
- # Stainless steel hardware and radials
- # Equipped with anodized aluminium bracket for an easy side mast installation
- # High quality whip made of brass and copper protected by fiberglass tube

Specifications

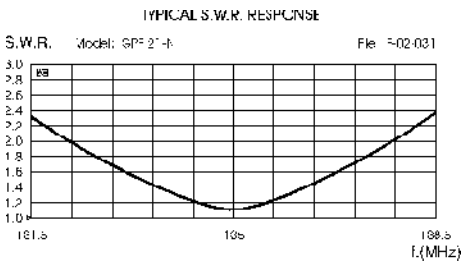
Electrical Data

Type 5/8 Ground Plane
 Frequency Range tunable from 135 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 80°
 Radiation angle deg. 28°
 Polarization Vertical
 Gain 1.5 dBd - 3.65 dBi
 Bandwidth at V.S.W.R. 2:1 5.6 MHz at 135 MHz
 V.S.W.R. at res. freq. 1.2 : 1 at 135 MHz
 Max Power 200 Watts
 Feed System / Position Transformer DC-Ground / Base
 Connection N-Female Gold Plated

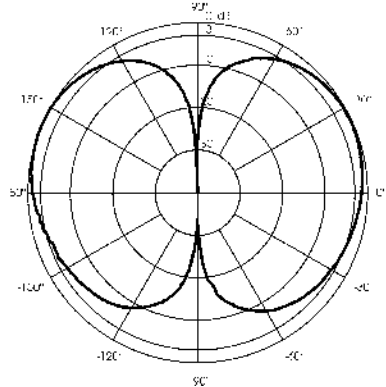
Mechanical Data

Materials Fibreglass, Aluminium, Brass, Stainless Steel
 Wind Load / Resistance 55 N at 150 Km/h / 200 Km/h
 Wind Surface 0.05 m²
 Height (approx.) 1730mm
 Weight (approx.) 1200 gr
 Radial Length (approx.) 495 mm
 Mounting Mast 35-54 mm

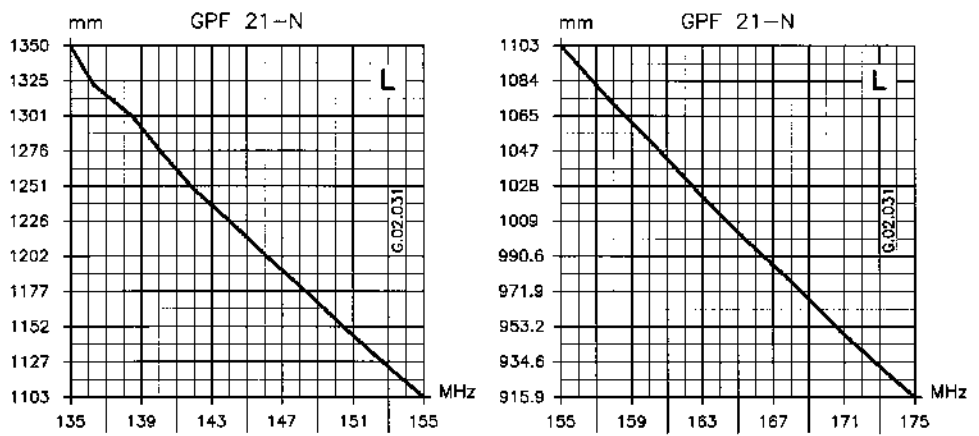
code 2109720.00



TYPICAL RADIATION PATTERN in E-plane at 145 MHz
 File: 02-031 Search: near



TYPICAL TUNING DIAGRAMS*



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

GPF 22-N

Features:

- # Base station antenna, Mono-band
- # Medium-gain , Omnidirectional
- # Suitable for land and marine service
- # Tunable by whip cutting
- # Protection from static discharges DC-Ground
- # Stainless steel hardware and radials
- # Equipped with anodized aluminium bracket for an easy side mast installation
- # High quality whip made of brass and copper protected by fiberglass tube

Specifications

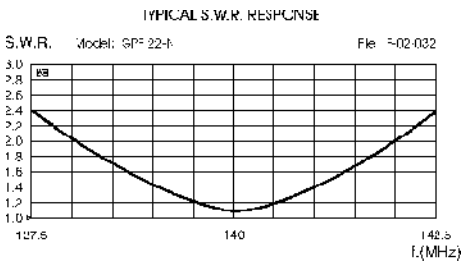
Electrical Data

Type 2 x 5/8 Ground Plane Colinear
 Frequency Range tunable from 140 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 33°
 Radiation angle deg. 0°
 Polarization Vertical
 Gain 3.8 dBi - 5.95 dBi
 Bandwidth at V.S.W.R. 2:1 4 MHz at 140 MHz
 V.S.W.R. at res. freq. 1.2 : 1 at 140 MHz
 Max Power 200 Watts
 Feed System / Position Transformer DC-Ground / Base
 Connection N-Female Gold Plated

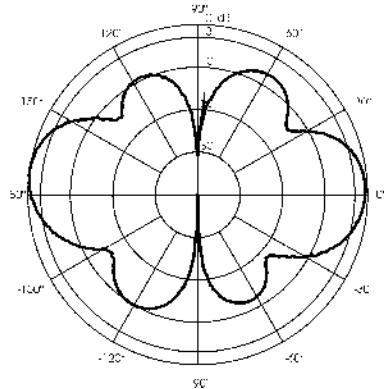
Mechanical Data

Materials Fibreglass, Aluminium, Brass, Stainless Steel
 Wind Load / Resistance 95 N at 150 Km/h / 150 Km/h
 Wind Surface 0.08 m²
 Height (approx.) 3230mm
 Weight (approx.) 1630 gr
 Radial Length (approx.) 495 mm
 Mounting Mast 35-54 mm

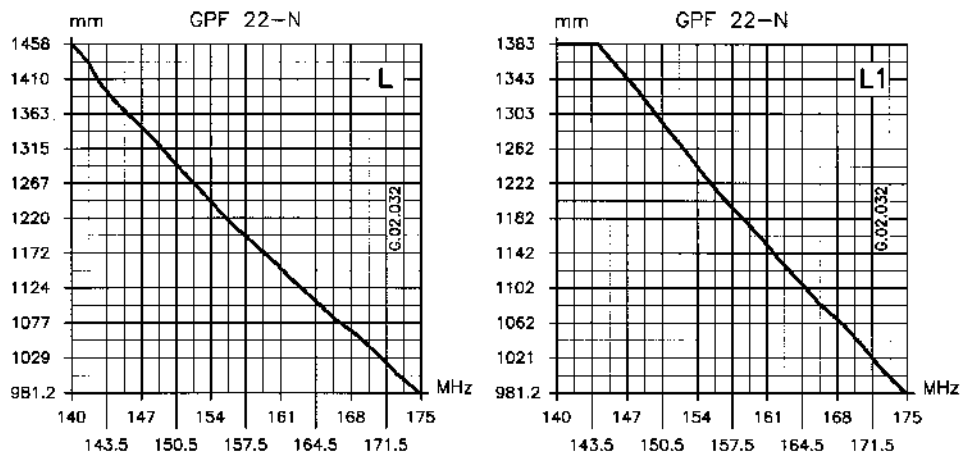
code 2109820.00



TYPICAL RADIATION PATTERN in E-plane at 145 MHz
 File: 1-02-032 Search: near



TYPICAL TUNING DIAGRAMS*



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

SA 22-N

Features:

- # Base station antenna
- # Omnidirectional
- # Medium-gain
- # Mono-band
- # Protection from static discharges
DC-Ground
- # Perfect protection against the worst weather conditions
- # Stainless steel hardware and radials
- # Fiberglass whip made of two conic sections jointed by ABS parts for distortion free radiation diagram
- # Equipped with anodized aluminium bracket for an easy side mast installation

Specifications

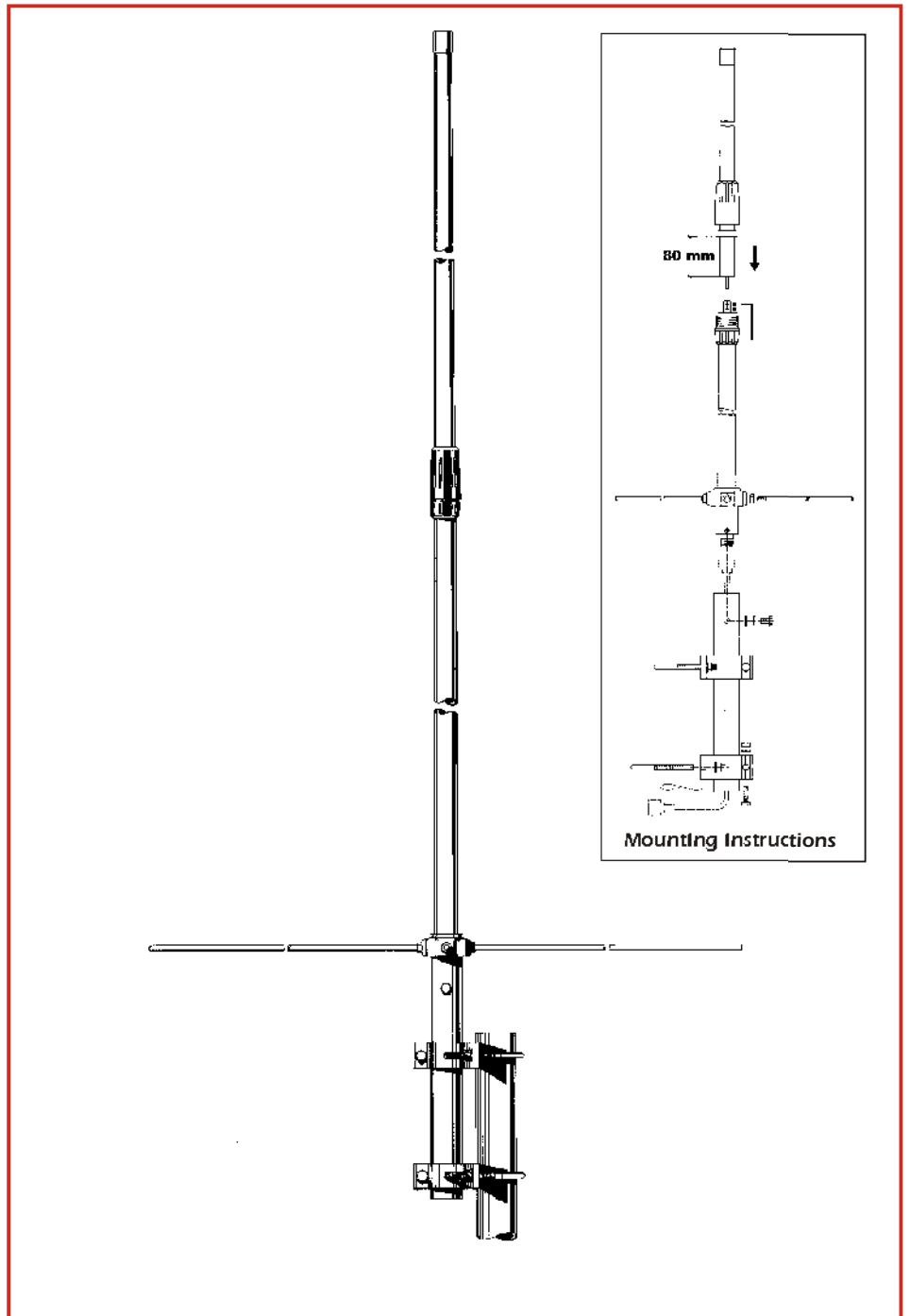
Electrical Data

Type 2 x 5/8 Ground Plane Colinear
 Design frequency 145 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 35°
 Radiation angle deg. -14°
 Polarization Vertical
 Gain 3.6 dBd - 5.75 dBi
 Bandwidth at V.S.W.R. 2:1 6 MHz
 V.S.W.R. at res. freq. 1.2 : 1
 Max Power 200 Watts
 Feed System / Position Transformer DC-Ground / Base
 Connection N-Female Gold Plated

Mechanical Data

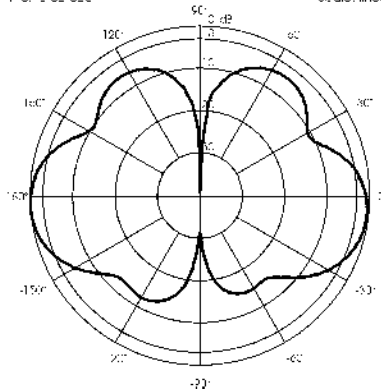
Materials Fibreglass, Stainless Steel, Brass, Nylon
 Wind Load / Resistance 81 N at 150 Km/h / 160 Km/h
 Wind Surface 0.07 m²
 Height (approx.) 2790 mm
 Weight (approx.) 1220 gr
 Radial Length (approx.) 495 mm
 Mounting Mast 35-54 mm

code 2106220.00

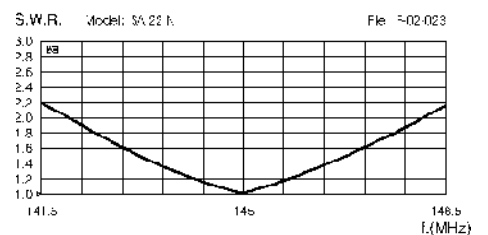


TYPICAL RADIATION PATTERN in E-plane at 145 MHz

Γ_{av} = 0.03 0.033 Scale: linear



TYPICAL S.W.R. RESPONSE



CX 2 m

Features:

- # Base station antenna, Mono-band
- # Low-gain, Omnidirectional
- # Factory tunable according to specific customer's frequency (minimum order 100 pcs)
- # Protection from static discharges DC-Ground
- # Made of aluminium alloy 6063 T-832

Specifications

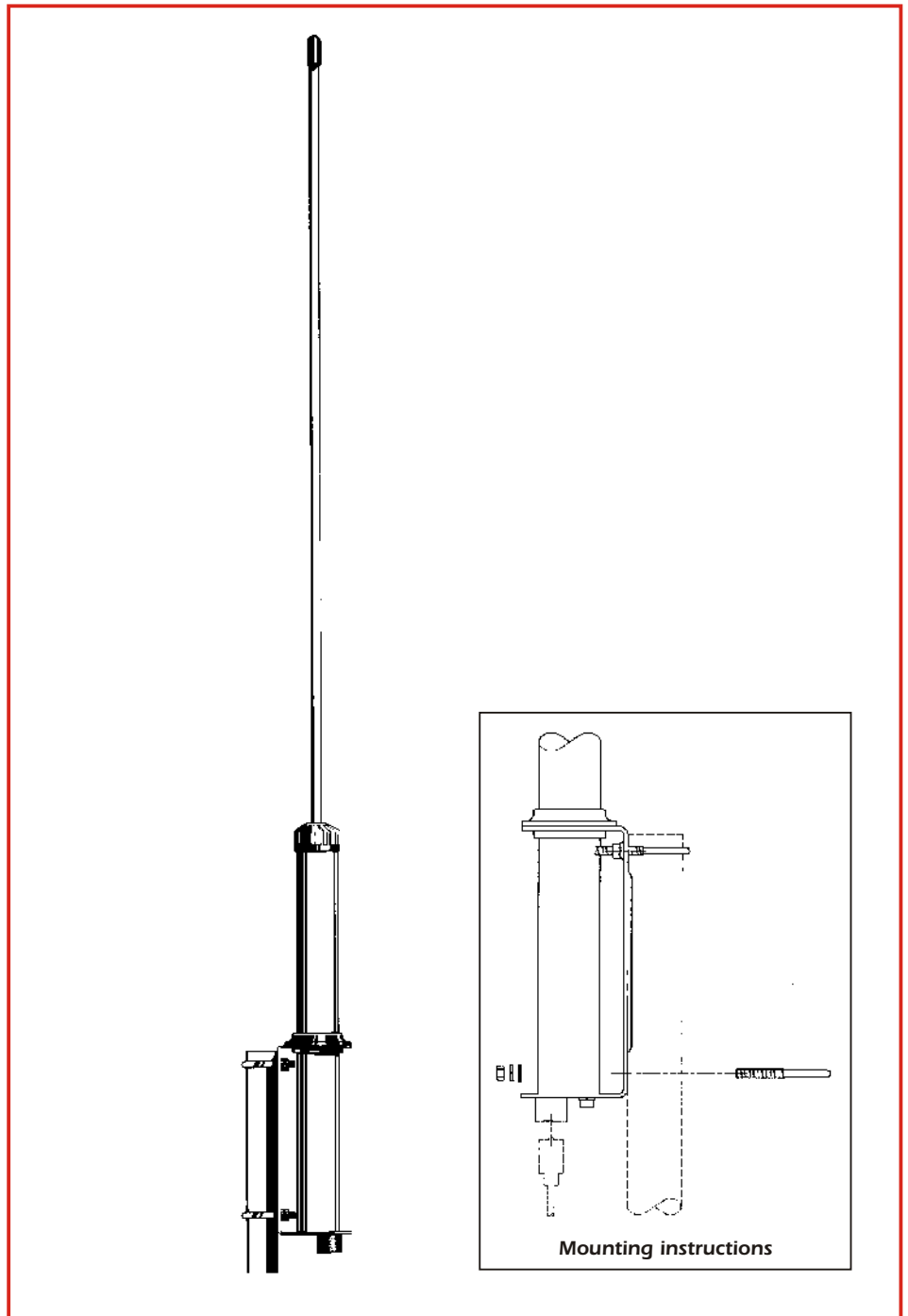
Electrical Data

Type	3/4 Coaxial J-Pole
Frequency Range at V.S.W.R. 1.5:1	
CX 145	144-148 MHz
CX 152	150-154 MHz
CX 156	156-160 MHz
CX 160	160-164 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Radiation (E-plane)	Beamwidth at -3 dB = 68°
Radiation angle deg.	0°
Polarization	Vertical
Gain	2 dBd - 4.15 dBi
Bandwidth at V.S.W.R. 2:1	
CX 145	7.45 MHz
CX 152	7.1 MHz
CX 156	6 MHz
CX 160	8.1 MHz
V.S.W.R. at res. freq.	1.2 : 1
Max Power	250 Watts
Feed System / Position	Gamma Match / Base
Connection	UHF-Female

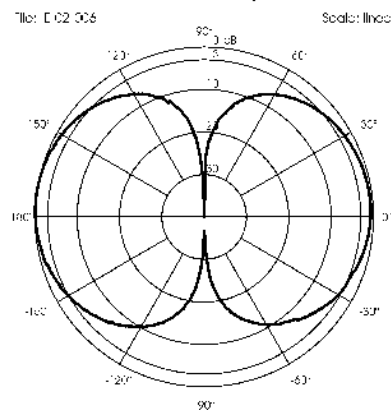
Mechanical Data

Materials	Aluminium, Brass, Steel, Nylon
Wind Load / Resistance	51 N at 150 Km/h / 180 Km/h
Wind Surface	0.04 m ²
Height (approx.)	
CX 145	1535 mm
CX 152	1480 mm
CX 156	1410 mm
CX 160	1375 mm
Weight (approx.)	1000 gr
Mounting Mast	35-42 mm

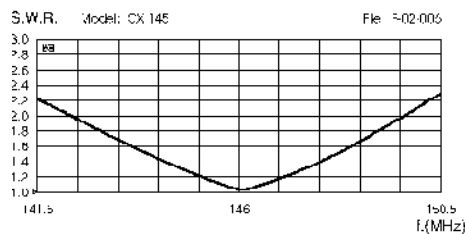
- code 2102201.00 CX 145**
- code 2103901.00 CX 152**
- code 2102301.00 CX 156**
- code 2102401.00 CX 160**



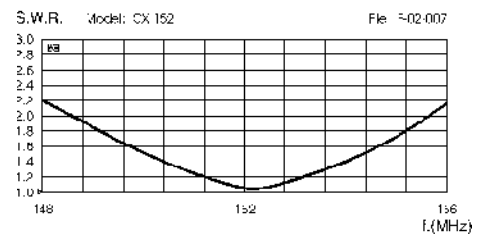
TYPICAL RADIATION PATTERN in E-plane at mid-band



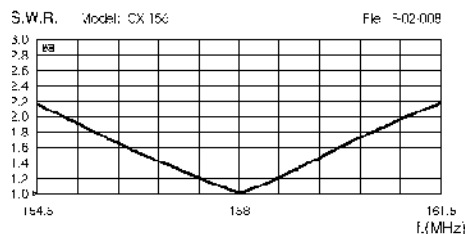
TYPICAL S.W.R. RESPONSE



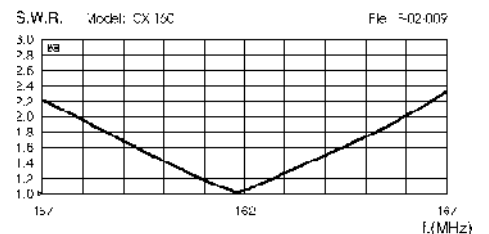
TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



GPA 170-230

Features:

- # Base station antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip length adjust
- # Made of aluminium alloy 6063 T-832
- # Side mast mounting allowed by optional bracket FT-2 code 2510004.00 (pag. 59)

Specifications

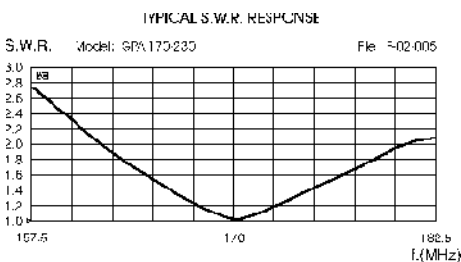
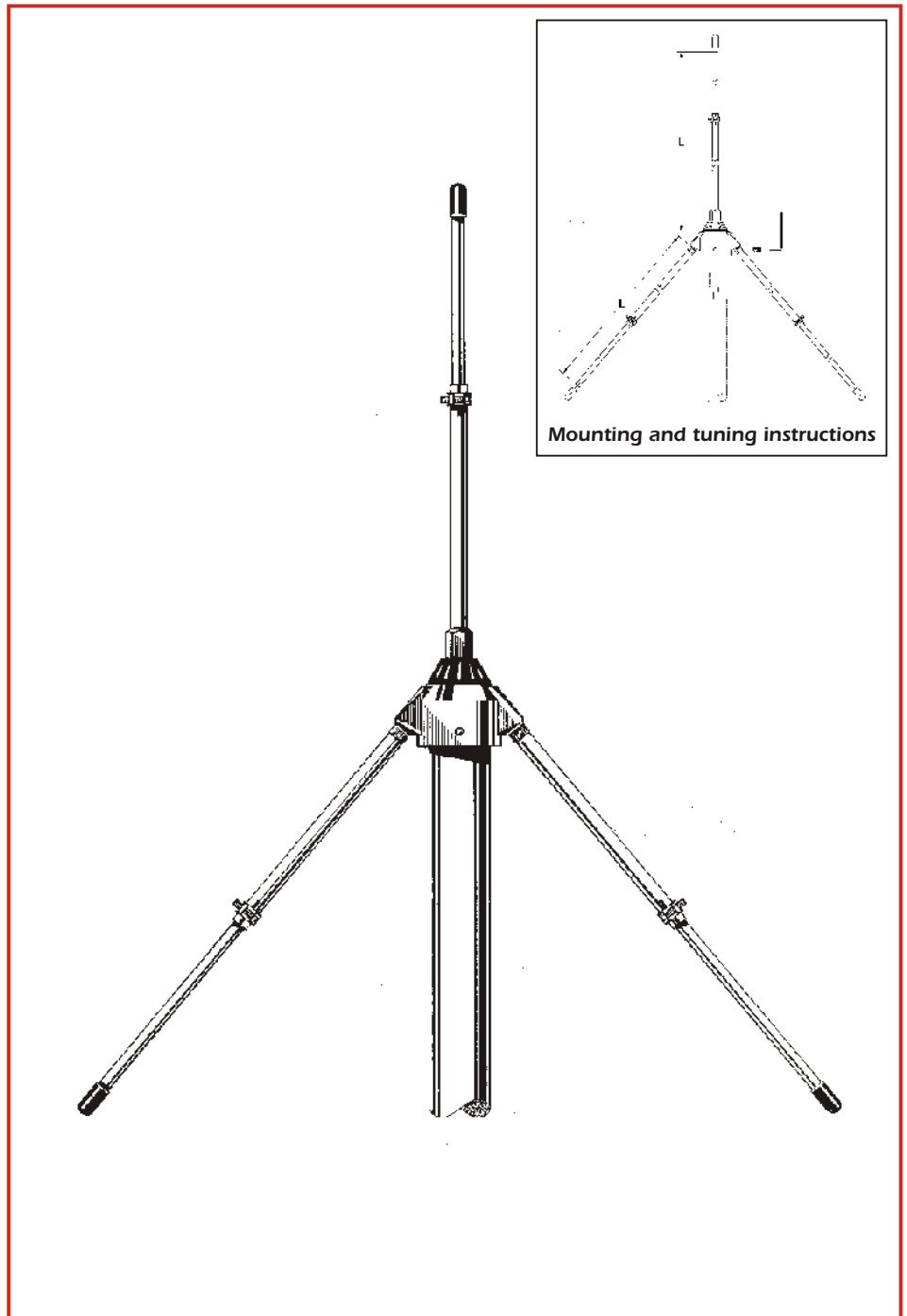
Electrical Data

Type 1/4 Ground Plane
 Frequency Range tunable from 170 to 230 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 86°
 Radiation angle deg. 0°
 Polarization Vertical
 Gain 0 dBd - 2.15 dBi
 Bandwidth at V.S.W.R. 2:1 19 MHz at 170 MHz
 V.S.W.R. at res. freq. 1.2 : 1 at 170 MHz
 Max Power 300 Watts
 Feed System / Position Direct / Center
 Connection UHF-Female

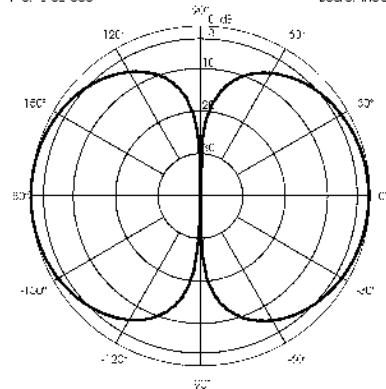
Mechanical Data

Materials Aluminium, Chromed Brass, Nylon
 Wind Load / Resistance 24 N at 150 Km/h / 180 Km/h
 Wind Surface 0.02 m²
 Height (approx.) 760 mm
 Weight (approx.) 480 gr
 Radial Length (approx.) 410 mm
 Mounting Mast 35 - 40 mm

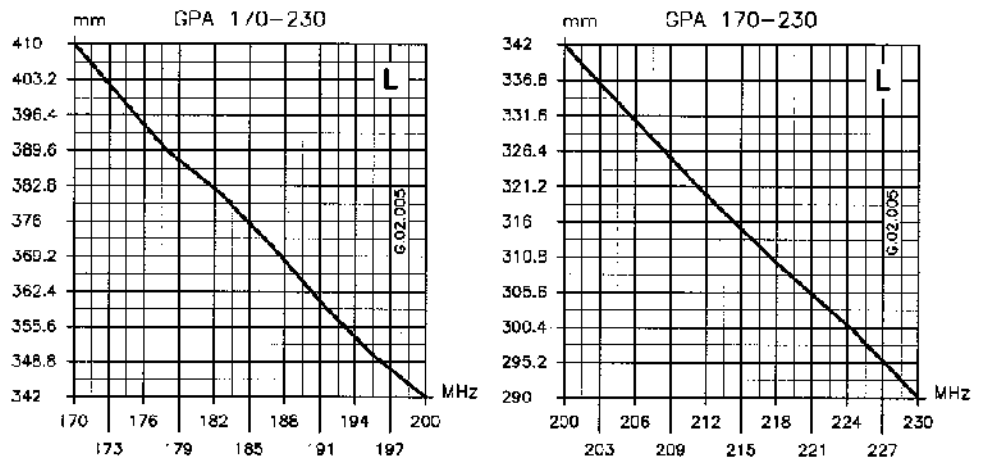
code **2105001.00**



TYPICAL RADIATION PATTERN in E-plane at 170 MHz
 File: 02-005 Source: linear



TYPICAL TUNING DIAGRAMS*



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

CX 220 CX 260

Features:

- # Base station antenna, Omnidirectional
- # Low-gain , Mono-band
- # Factory tunable according to specific customer's frequency (minimum order 100 pcs)
- # Protection from static discharges DC-Ground
- # Made of aluminium alloy 6063 T-832

Specifications

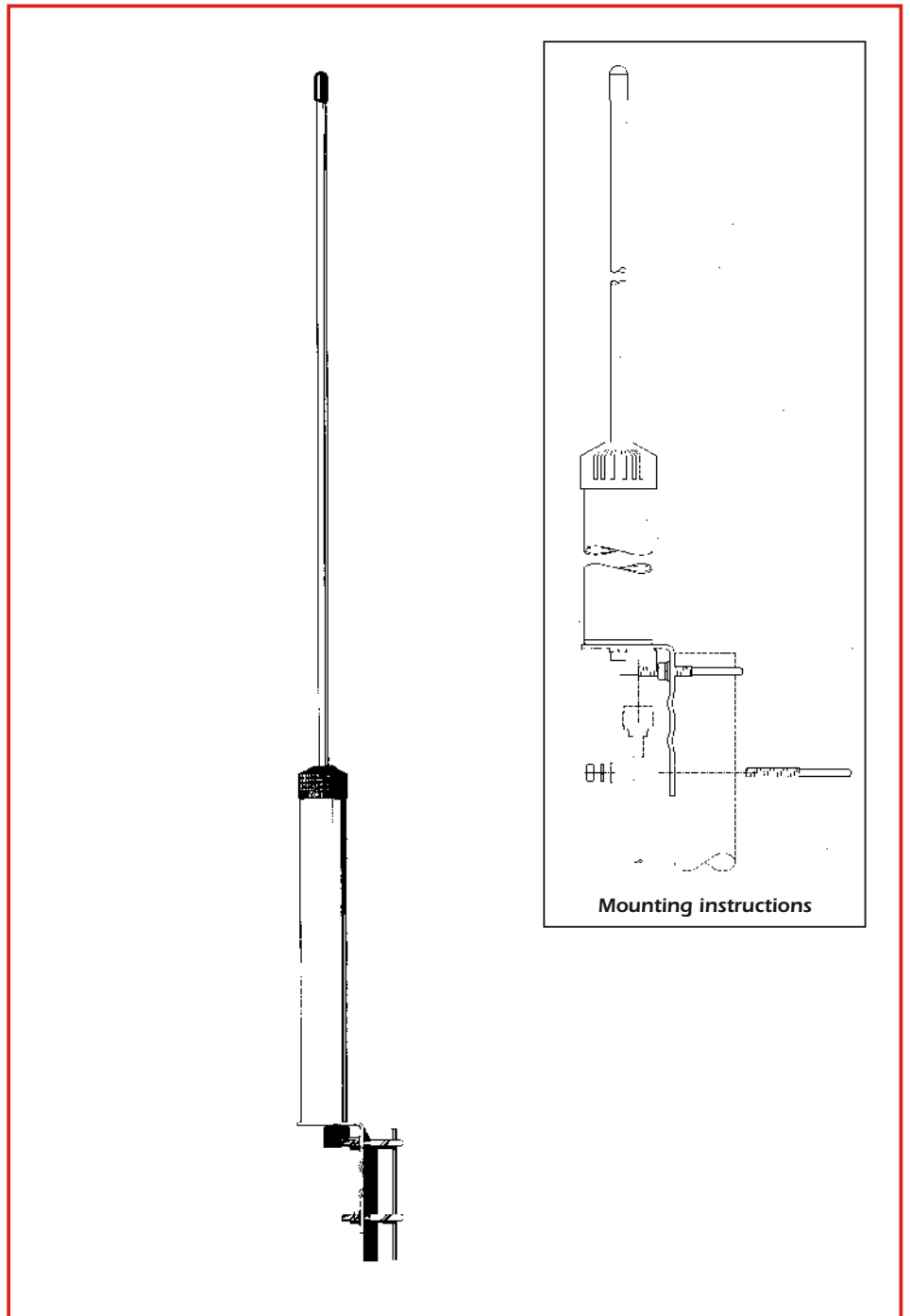
Electrical Data

Type	3/4 Coaxial J-Pole
Frequency Range at V.S.W.R. 2:1	
CX 220	216-229 MHz
CX 260	250-266 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Radiation (E-plane)	Beamwidth at -3 dB = 60°
Radiation angle deg.	-2°
Polarization	Vertical
Gain	2 dBd - 4.15 dBi
Bandwidth at V.S.W.R. 2:1	
CX 220	13 MHz
CX 260	16 MHz
V.S.W.R. at res. freq.	1.2:1
Max Power	200 Watts
Feed System / Position	Gamma Match / Base
Connection	N-Female

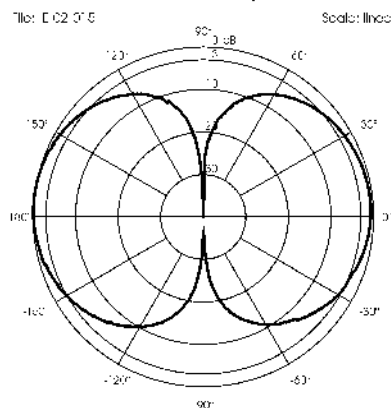
Mechanical Data

Materials	Aluminium, Brass, Steel, Nylon
Wind Load / Resistance	36 N at 150 Km/h / 180 Km/h
Wind Surface	0.03 m ²
Height (approx.)	
CX 220	1100 mm
CX 260	950 mm
Weight (approx.)	630 gr
Mounting Mast	35-42 mm

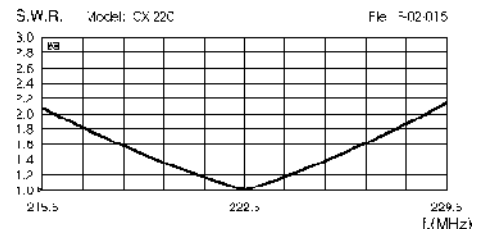
code **2106101.00** CX 220
code **2106001.00** CX 260



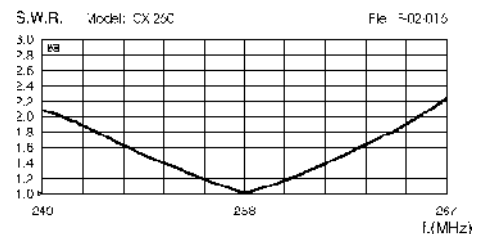
TYPICAL RADIATION PATTERN in E-plane at mid-band



TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



TURBO 2000 Low Band

Features:

- # Mobile antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip cutting
- # Protection from static discharges DC-Ground
- # 17/7 PH tapered stainless steel whip
- # 90° inclination and adjustable whip, detachable for car-washes access
- # Magnetic mount version available

Specifications

Electrical Data

Type	1/4 Base Loaded
Frequency Range	
A type	tunable from 29.0 to 32.5 MHz
B type	tunable from 32.5 to 37.0 MHz
C type	tunable from 37.0 to 43.0 MHz
D type	tunable from 42.5 to 51.5 MHz
E type	tunable from 51.5 to 67.5 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Polarization	Vertical
Gain	0 dB ref to /4 whip
Bandwidth at V.S.W.R. 2:1	
A type	1.2 MHz at 29.0 MHz
B type	1.8 MHz at 32.5 MHz
C type	2.1 MHz at 37.0 MHz
D type	3.1 MHz at 42.5 MHz
E type	7.5 MHz at 51.5 MHz
V.S.W.R. at res. freq.	1.2: 1 at lower frequency
Max Power	250 Watts
Feed System / Position	Transformer DC-ground / Base Connection
TURBO 2000 PL Low Band	UHF-Male
TURBO 2000 Low Band	NE-TURBO connection
Cable Length / Type	4 m / RG 58 (TURBO 2000 only)
Mechanical Data	
Materials	Stainless Steel 17/7 PH, Nylon, Brass
Height (approx.) Both models	1430 mm
Weight (approx.)	530 gr
Mounting Hole	12.5 mm (TURBO 2000 only)

code 2213006.40 TURBO 2000 Low Band
code 2213006.43 TURBO 2000 PL Low Band

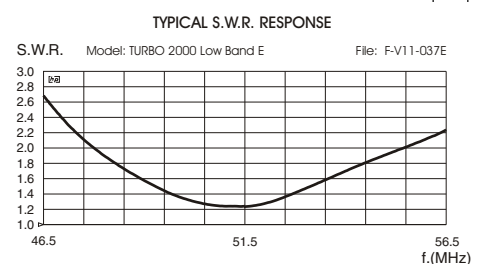
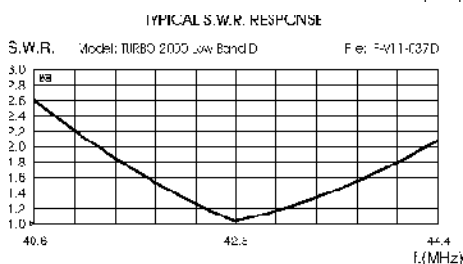
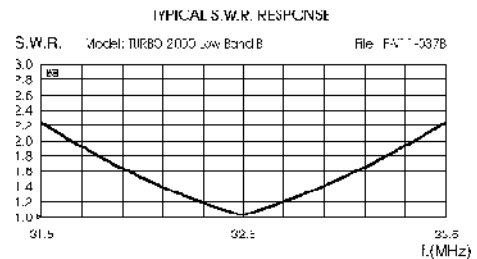
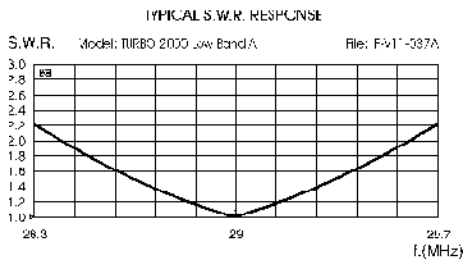
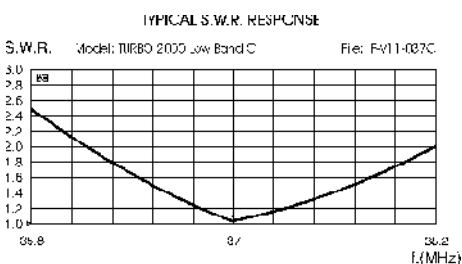
Available versions: please indicate your required frequency range.

- A 29.0-32.5 MHz**
- B 32.5-37.0 MHz**
- C 37.0-43.0 MHz**
- D 42.5-51.5 MHz**
- E 51.5-67.5 MHz**

TYPICAL TUNING DIAGRAMS*

Mounting instructions

* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter



MICRO 43

Features:

- # Mobile antenna, Mono-band
- # Unity-gain, Omnidirectional
- # 90° inclination and adjustable whip, detachable for car-washes access
- # Magnetic mount version available

Specifications

Electrical Data

Type 1/4 Base Loaded
 Design Frequency 43 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 0 dB ref to /4 whip
 Bandwidth at V.S.W.R. 2:1 2.5 MHz
 V.S.W.R. at res. freq. 1.2: 1
 Max Power 30 Watts
 Feed System / Position Direct / Base
 Standard Mount "CE-S"
 Cable Length / Type 4 m / RG 58

Mechanical Data

Materials Stainless Steel 17/7 PH, Nylon, Copper
 Height (approx.) 550 mm
 Weight (approx.) 260 gr
 Mounting Hole 10 mm

code 2210806.38 MICRO 43

TITANIUM 43

Features:

- # Mobile antenna, Mono-band
- # Unity-gain, Omnidirectional
- # 17/7 PH tapered stainless steel whip
- # 180° inclination and adjustable whip, detachable for car-washes access
- # Wide range of optional mounting bases available
- # Magnetic mount version available

Specifications

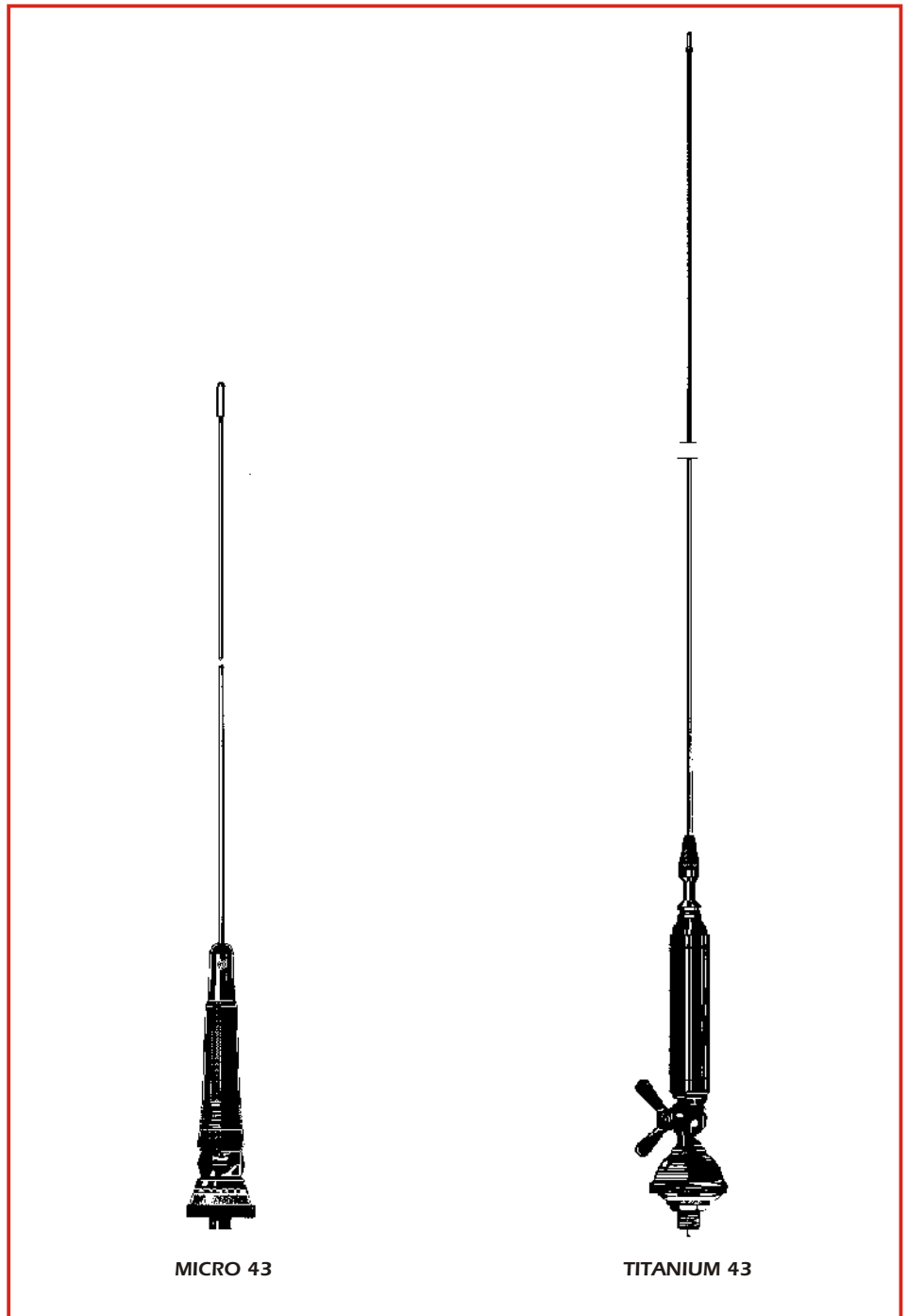
Electrical Data

Type 1/4 Base Loaded
 Design Frequency 43 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 0 dB ref to /4 whip
 Bandwidth at V.S.W.R. 2:1 3.6 MHz
 V.S.W.R. at res. freq. 1.2: 1
 Max Power: 100 Watts
 Feed System / Position Direct / Base
 Standard Mount "N"
 Cable Length / Type 4 m / RG 58

Mechanical Data

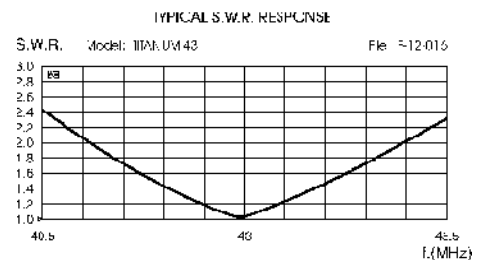
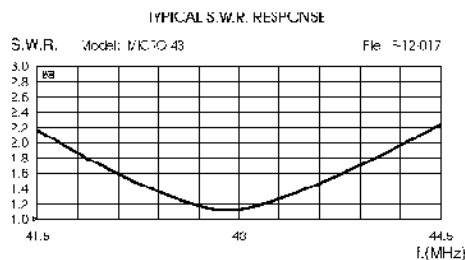
Materials Stainless Steel 17/7 PH, Nylon, Copper
 Height (approx.) 1090 mm
 Weight (approx.) 400 gr
 Mounting Hole 12.5 mm

code 2210906.02 TITANIUM 43



MICRO 43

TITANIUM 43



SM 66-88 SMA 66-88

Features:

- # Mobile antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip cutting
- # Factory tunable according to specific customer's frequency
- # SM 66-88 Black fiberglass conic whip
- # SMA 66-88 17/7 PH tapered stainless steel whip
- # 180° inclination and adjustable whip, detachable for car-washes access
- # Black chrome version available
- # Magnetic mount version available

Specifications

Electrical Data

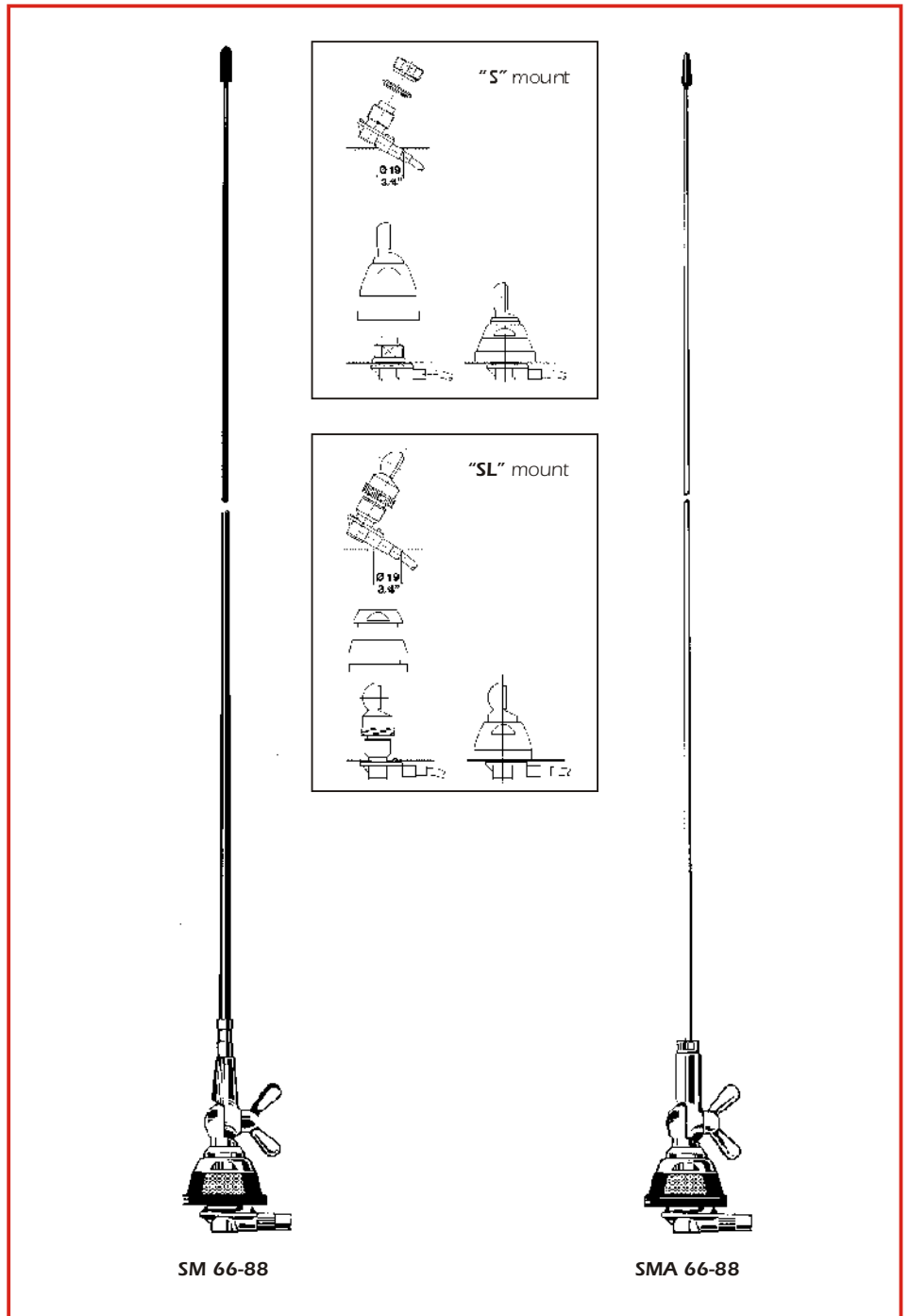
Type 1/4
 Frequency Range tunable from 66 to 88 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 0 dB ref. to /4 whip
 Bandwidth at V.S.W.R. 2:1
 SM 66-88 7.9 MHz at 66 MHz
 SMA 66-88 9.7 MHz at 66 MHz
 V.S.W.R. at res. freq. 1.2: 1 at 66 MHz
 Max Power 100 Watts
 Feed System / Position Direct / Base
 Standard Mount "S"
 Cable Length / Type 5 m / RG 58

Mechanical Data

Materials
 SM 66-88 Glass Fibre, Chromed Brass, Nylon
 SMA 66-88 Stainless Steel 17/7 PH, Nylon
 Height (approx.)
 SM 66-88 1085 mm
 SMA 66-88 1200 mm
 Weigh (approx.) 380 gr
 Mounting Hole 19 mm

code 2209624.28 SM 66-88 S mount
 code 2209624.32 SM 66-88 SL mount

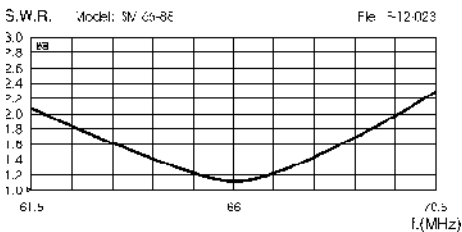
code 2209605.28 SMA 66-88 S mount
 code 2209605.32 SMA 66-88 SL mount



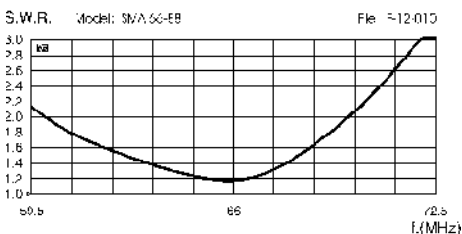
SM 66-88

SMA 66-88

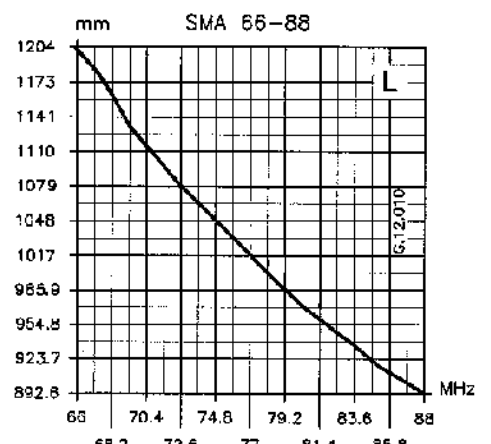
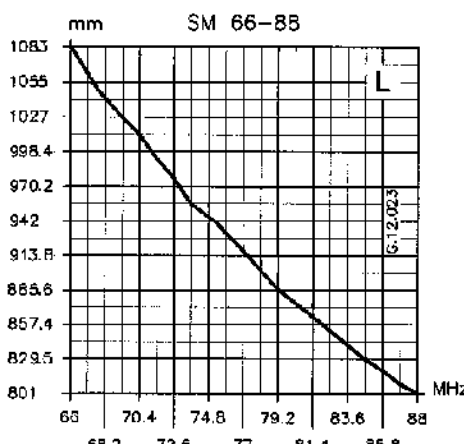
TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



TYPICAL TUNING DIAGRAMS*



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

MG 75 MGA 75 C

Features:

- # Mobile antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip cutting
- # Factory tunable according to specific customer's frequency
- # Supplied with a strong stainless steel spring
- # MG 75 Black fiberglass conic whip
MGA 75 C 17/7 PH tapered stainless steel whip
- # 180° inclination and adjustable whip, detachable for car-washes access

Specifications

Electrical Data

Type	1/4
Frequency Range	tunable from 66 to 88 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Polarization	Vertical
Gain	0 dB ref. to /4 whip
Bandwidth at V.S.W.R. 2:1	9 MHz at 66 MHz
V.S.W.R. at res. freq.	
MG 75	1.2: 1 at 66 MHz
MGA 75 C	1.3: 1 at 66 MHz
Max Power	100 Watts
Feed System / Position	Direct / Base
Standard Mount	"S"
Cable Length / Type	5 m / RG 58

Mechanical Data

Materials

MG 75	Glass Fibre, Chromed Brass, Nylon
MGA 75 C ..	Stainless Steel 17/7 PH, Nylon, Chromed Brass

Height (approx.)

MG 75	1110 mm
MGA 75 C ..	1210 mm

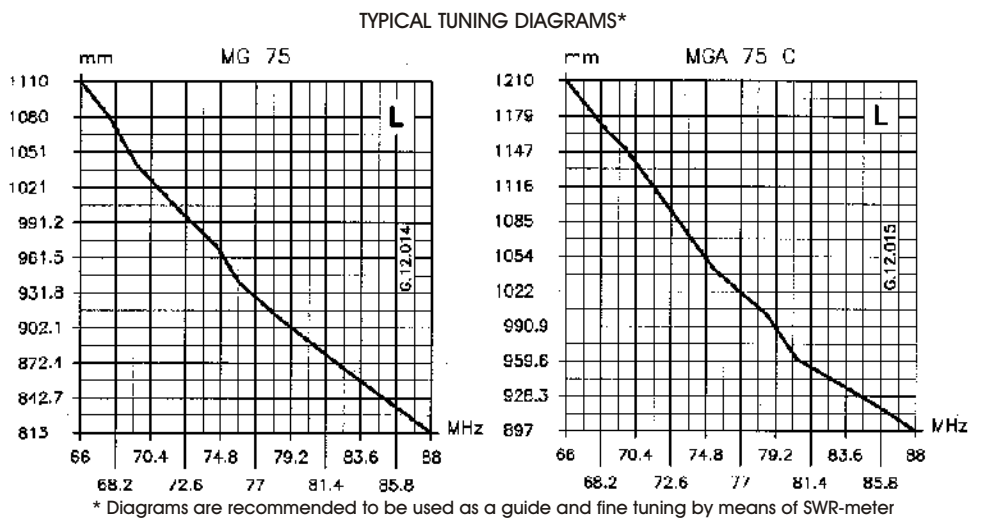
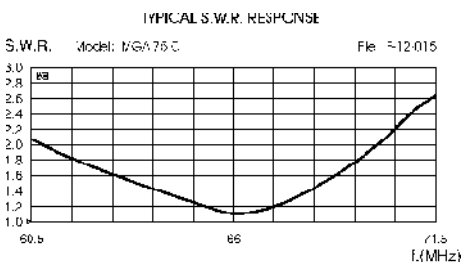
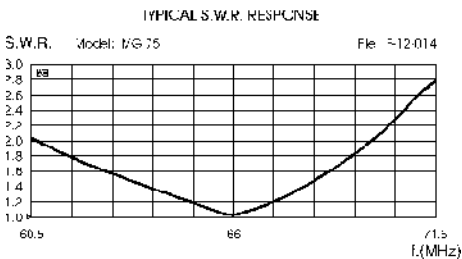
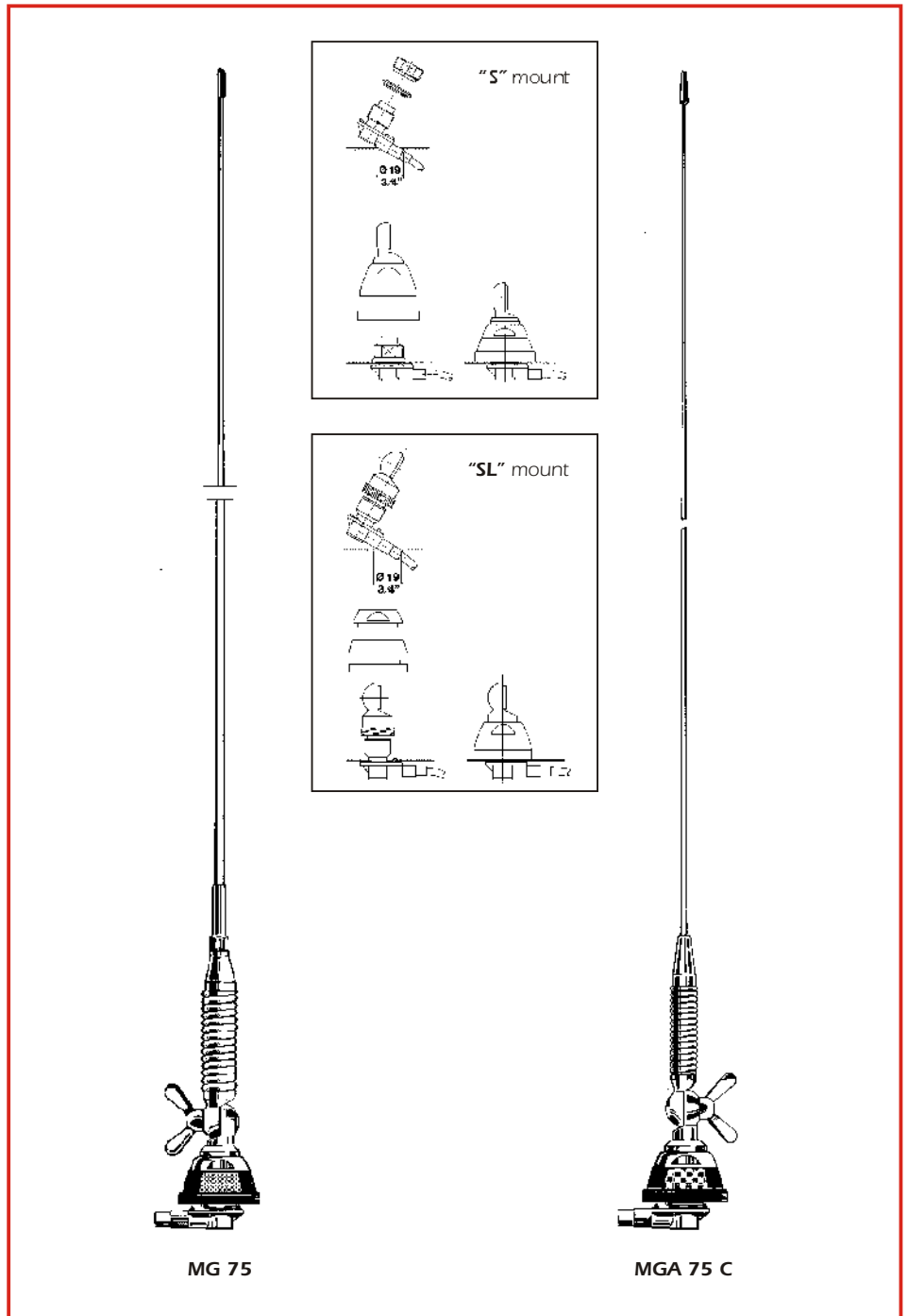
Weight (approx.)

MG 75	500 gr
MGA 75 C ..	420 gr

Mounting Hole 19 mm

code 2205824.28 MG 75 S mount
code 2205824.32 MG 75 SL mount

code 2205905.28 MGA 75 C S mount
code 2205905.32 MGA 75 C SL mount



SKB 115-175 1/4 SKB 140-175 1/4

Features:

- # Mobile antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip cutting
- # Factory tunable according to specific customer's frequency
- # Rigid whip, detachable for car-washes access
- # Magnetic mount version available
CELL-MAG code 2510202.06

Specifications

Electrical Data

Type	1/4
Frequency Range	
SKB 115-175 1/4	tunable from 115 to 175 MHz
SKB 140-175 1/4	tunable from 140 to 175 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Polarization	Vertical
Gain	0 dB ref. to /4 whip
Bandwidth at V.S.W.R. 2:1	
SKB 115-175 1/4	10.5 MHz at 115 MHz
SKB 140-175 1/4	12 MHz at 140 MHz
V.S.W.R. at res. freq.	1.6: 1
Max Power	100 Watts
Feed System / Position	Direct / Base
Cable Length / Type	5 m / RG 58

Mechanical Data

Materials	Stainless Steel 17/7 PH, Chromed Brass
Height (approx.)	
SKB 115-175 1/4	680 mm
SKB 140-175 1/4	525 mm
Weight (approx.)	280 gr
Mounting Hole	14 or 18 mm

code 2213206.48 SKB 115-175 1/4
code 2209706.48 SKB 140-175 1/4

SKA 140-230

Features:

- # Mobile antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip cutting
- # Factory tunable according to specific customer's frequency
- # 90° inclination and adjustable whip, detachable for car-washes access

Specifications

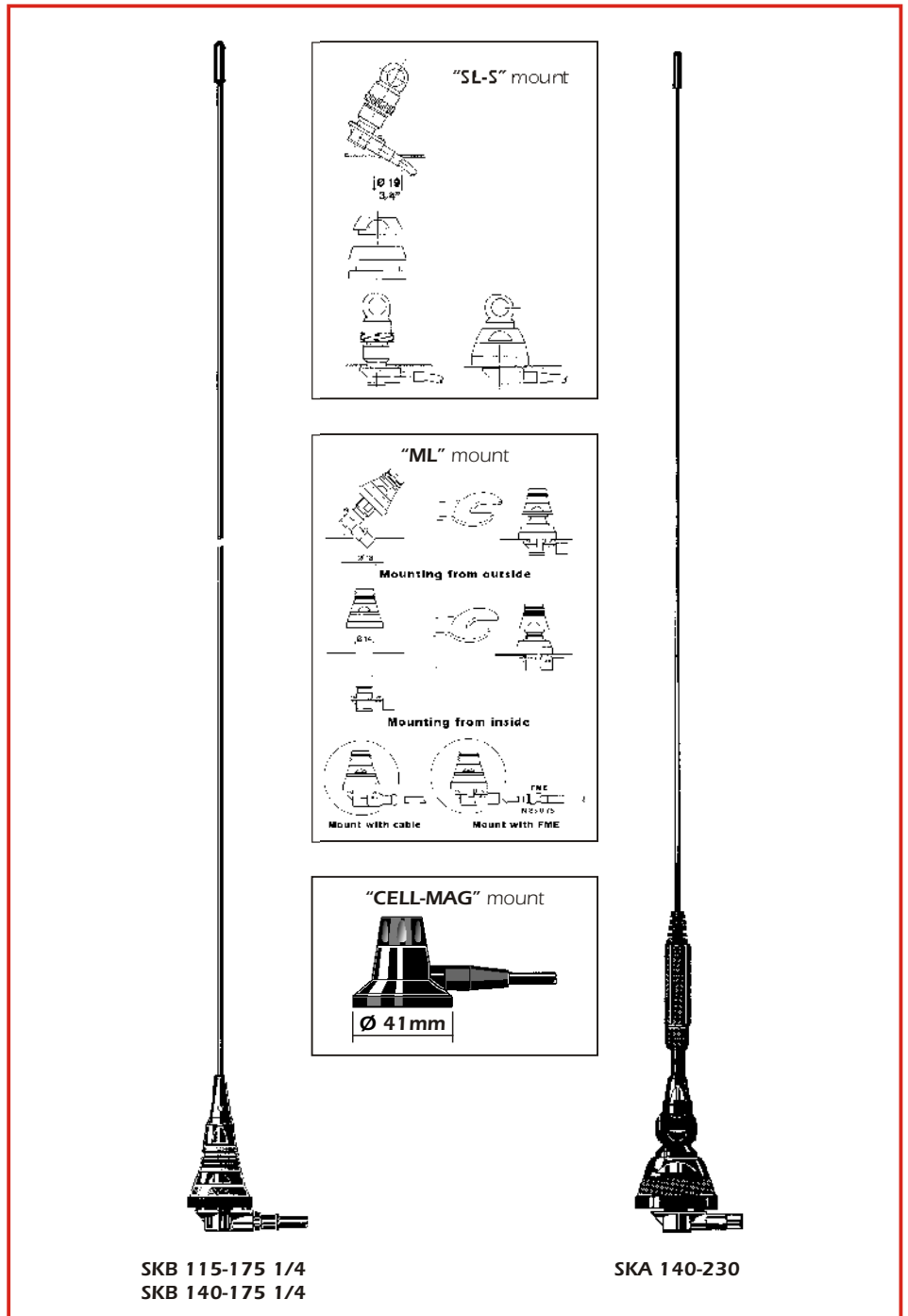
Electrical Data

Type	1/4
Frequency Range	tunable from 140 to 230 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Polarization	Vertical
Gain	0 dB ref. to /4 whip
Bandwidth at V.S.W.R. 2:1	14 MHz at 140 MHz
V.S.W.R. at res. freq.	1.5: 1 at 140 MHz
Max Power	100 Watts
Standard Mount	"SL-S"
Cable Length / Type	5 m / RG 58

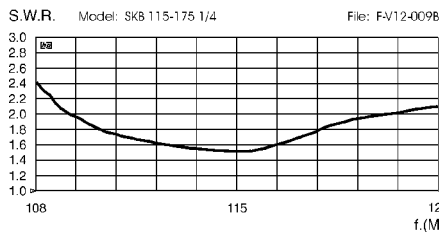
Mechanical Data

Materials ...	Stainless Steel 17/7 PH, Nylon, Chromed Brass
Height (approx.)	555 mm
Weight (approx.)	360 gr
Mounting Hole	19 mm

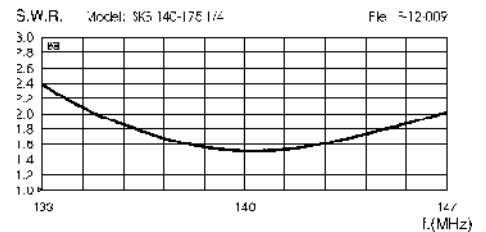
code 2206606.34 SKA 140-230



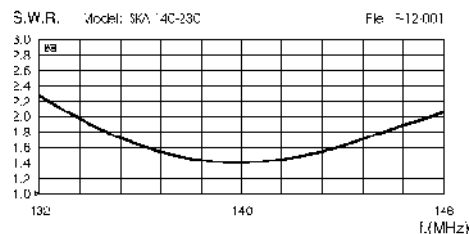
TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



TURBO VHF 135-175

Features:

- # Mobile antenna, Mono-band
- # Low-gain, Omnidirectional
- # Tunable by whip cutting
- # Protection from static discharges DC-Ground
- # 17/7 PH tapered stainless steel whip
- # 90° inclination and adjustable whip, detachable for car-washes access
- # Magnetic mount version available

Specifications

Electrical Data

Type 5/8
 Design Frequency tunable from 135 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 1.5 dB ref to /4 whip
 Bandwidth at V.S.W.R. 2:1 6 MHz at 135 MHz
 V.S.W.R. at res. freq. 1.2: 1 at 135 MHz
 Max Power 150 Watts
 Feed System / Position Transformer DC-ground/ Base Connection
 TURBO VHF 135-175 NE-TURBO connection
 TURBO VHF 135-175 PL UHF-Male
 Cable Length / Type 4 m / RG 58 (TURBO VHF only)

Mechanical Data

Materials Stainless Steel 17/7 PH, Nylon, Brass
 Height (approx.) 1470 mm
 Weight (approx.) 540 gr
 Mounting Hole 12.5 mm (TURBO VHF only)

code 2212906.40 TURBO VHF
code 2212906.43 TURBO VHF PL

MGA 140-175

Features:

- # Mobile antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip cutting
- # Supplied with a strong stainless steel spring
- # 180° inclination and adjustable whip, detachable for car-washes access

Specifications

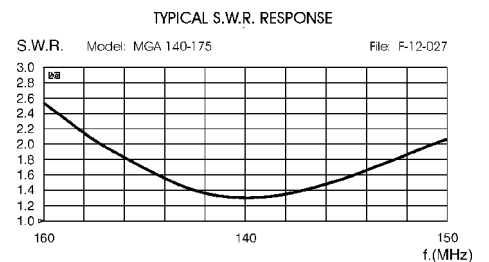
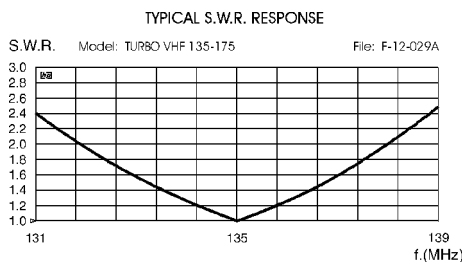
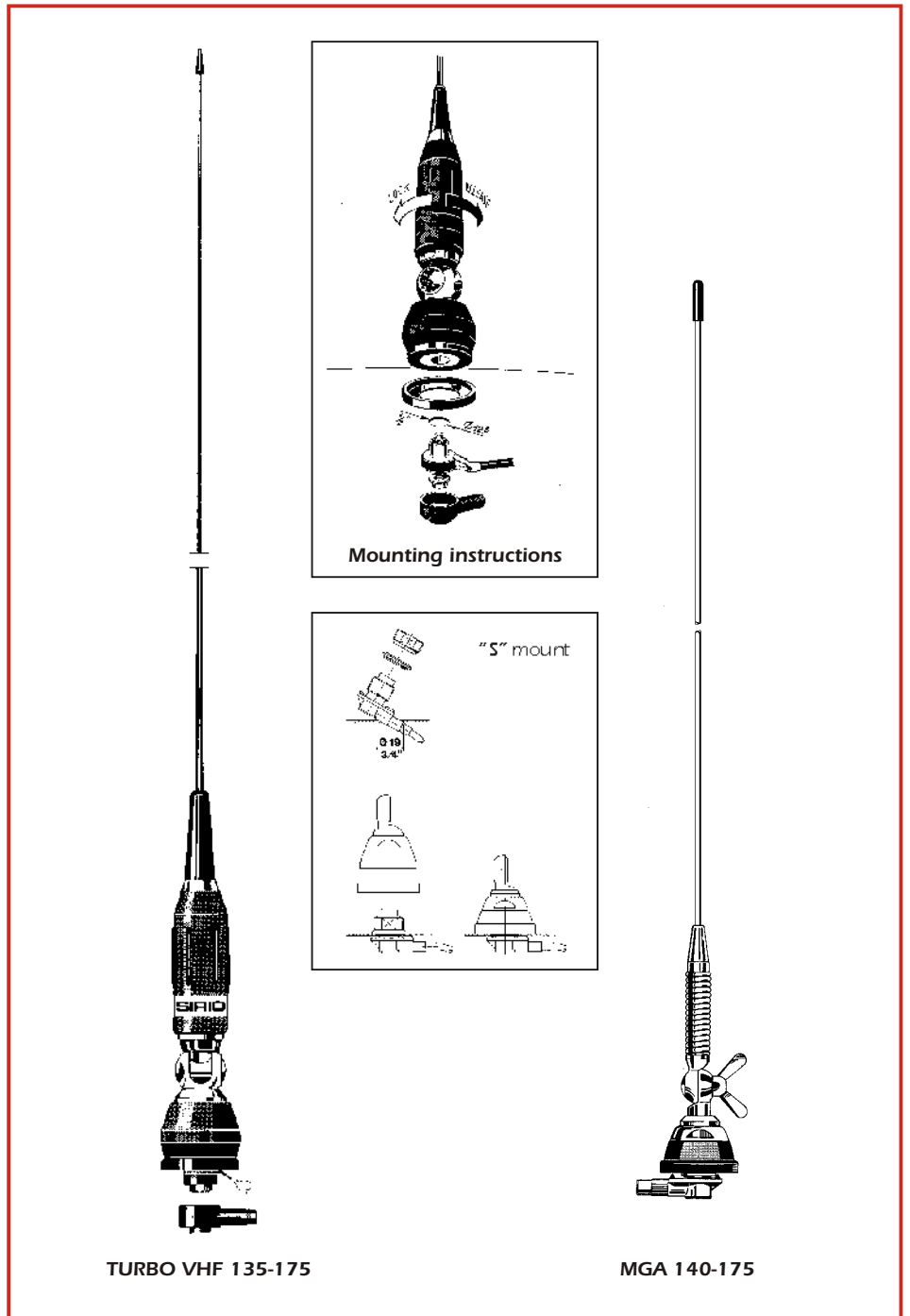
Electrical Data

Type 1/4
 Design Frequency tunable from 140 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 0 dB ref to /4 whip
 Bandwidth at V.S.W.R. 2:1 16 MHz at 140 MHz
 V.S.W.R. at res. freq. 1.4: 1 at 140 MHz
 Max Power: 100 Watts
 Feed System / Position Direct / Base
 Standard Mount "S"
 Cable Length / Type 5 m / RG 58

Mechanical Data

Materials Stainless Steel 17/7 PH, Chromed Brass
 Height (approx.) 543 mm
 Weight (approx.) 400 gr
 Mounting Hole 19 mm

code 2213805.28 MGA 140-175 S mount
code 2213805.32 MGA 140-175 SL mount



HP 2000 HP 2000 C HP 140-175

Features:

- # Mobile antenna, Mono-band
- # Low-gain, Omnidirectional
- # Suitable for fitting on magnetic mounts, angular connectors, or portable transceiver
- # HP 140-175 Tunable by whip cutting
- # Protection from static discharges DC-Ground
- # 17/7 PH tapered stainless steel whip
- # 90° tiltable whip and detachable for car-washes access
- # Magnetic mount version available

Specifications

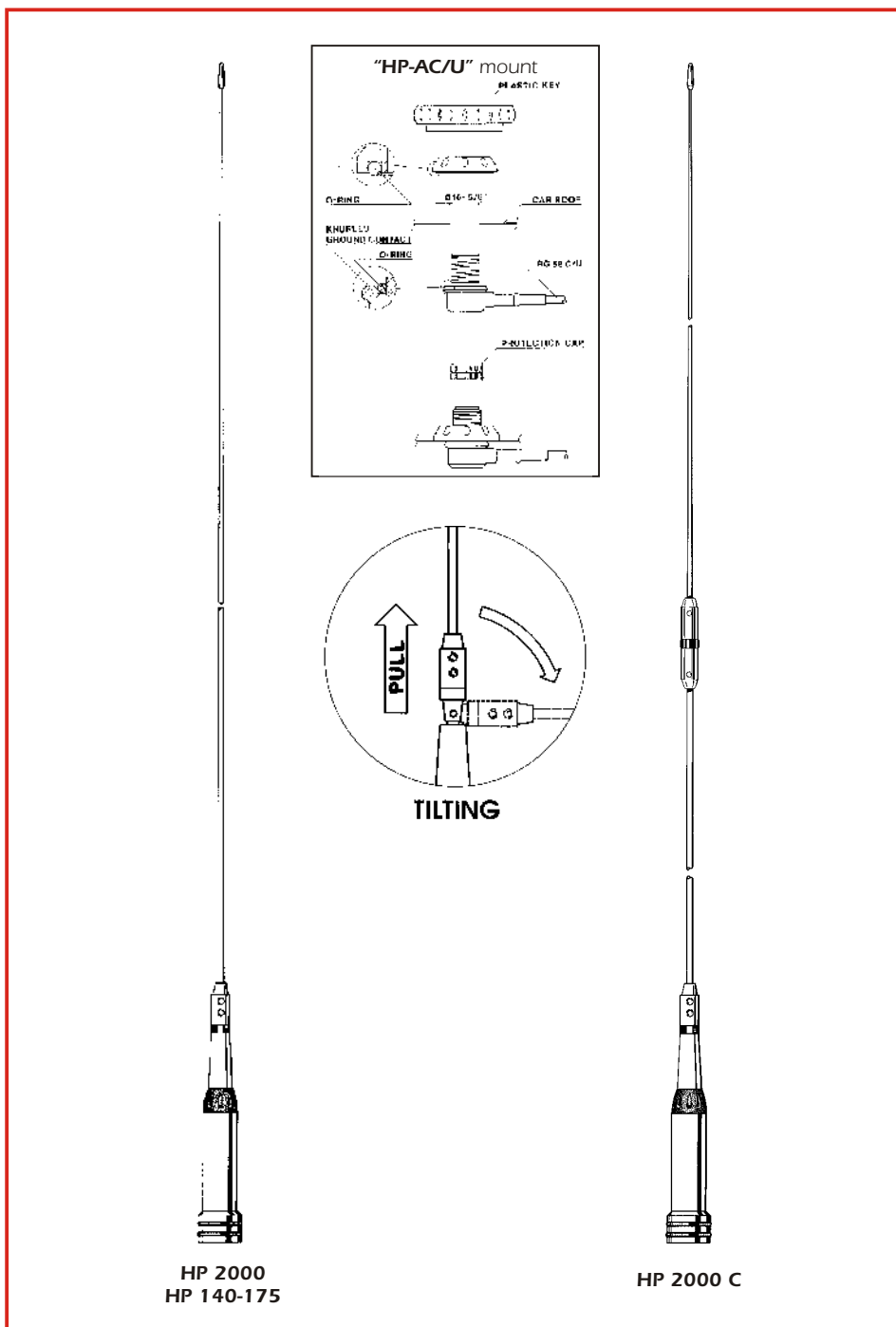
Electrical Data

Type	
HP 2000	1/2
HP 2000 C	C-Loaded
HP 140-175	5/8
Frequency Range	
HP 2000, HP 2000 C	design frequency 145 MHz
HP 140-175	tunable from 139.3 to 175 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Polarization	Vertical
Gain	
HP 2000, HP 140-175	1.5 dB ref. to /4 whip
HP 2000 C	2 dB ref. to /4 whip
Bandwidth at V.S.W.R. 2:1	
HP 2000	5.5 MHz
HP 2000 C	20 MHz
HP 140-175	6.6 MHz at 139.3 MHz
V.S.W.R. at res. freq.	
HP 2000, HP 2000 C	1.2: 1
HP 140-175	1.2: 1 at 139.3 MHz
Max Power	150 Watts
Feed System / Position	Transformer DC-Ground / Base
Connector Type	UHF-Male

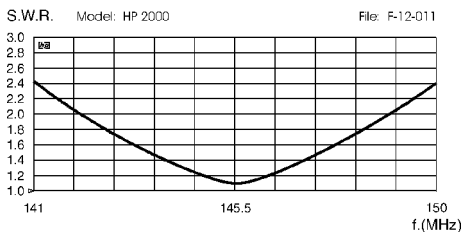
Mechanical Data

Materials ...	Stainless Steel 17/7 PH, Nylon, Chromed Brass
Height (approx.)	
HP 2000	1050 mm
HP 2000 C	1410 mm
HP 140-175	1435 mm
Weight (approx.)	320 gr

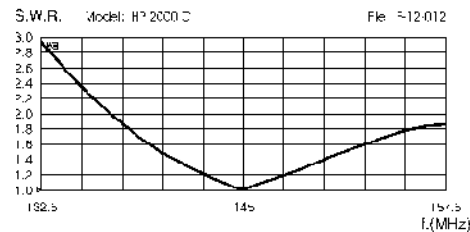
code **2210105.05** HP 2000
code **2210205.05** HP 2000 C
code **2213405.05** HP 140-175



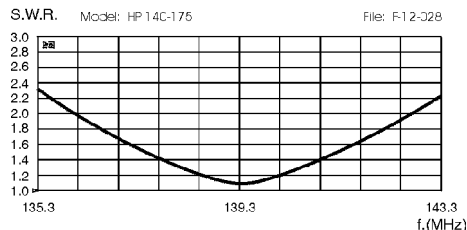
TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



SM 2
SMA 2

Features:

- # Mobile antenna, Mono-band
- # Low-gain, Omnidirectional
- # Tunable by whip cutting
- # Factory tunable according to specific customer's frequency
- # SM 2 Black fiberglass conic whip
- # SMA 2 17/7 PH tapered stainless steel whip
- # Supplied with a strong stainless steel spring
- # 180° inclination and adjustable whip, detachable for car-washes access
- # Black chrome version available
- # Magnetic mount version available

Specifications

Electrical Data

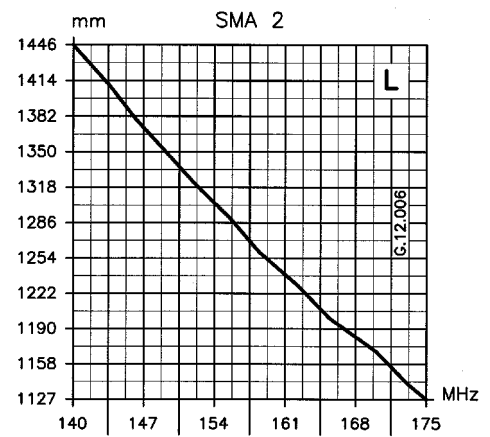
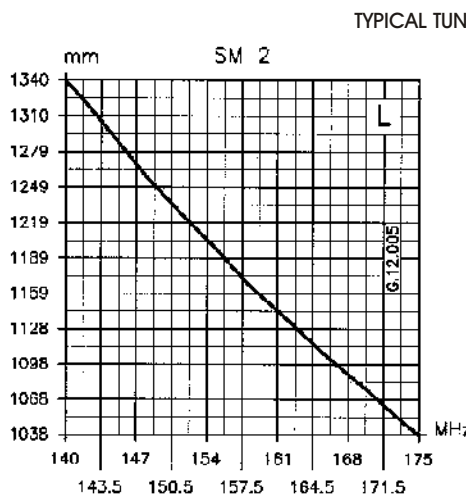
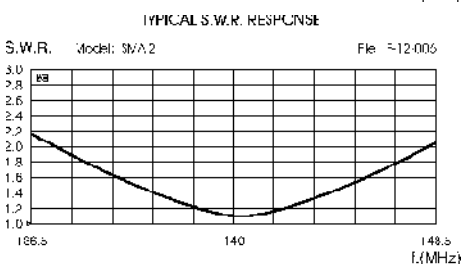
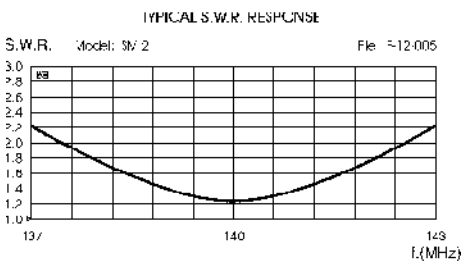
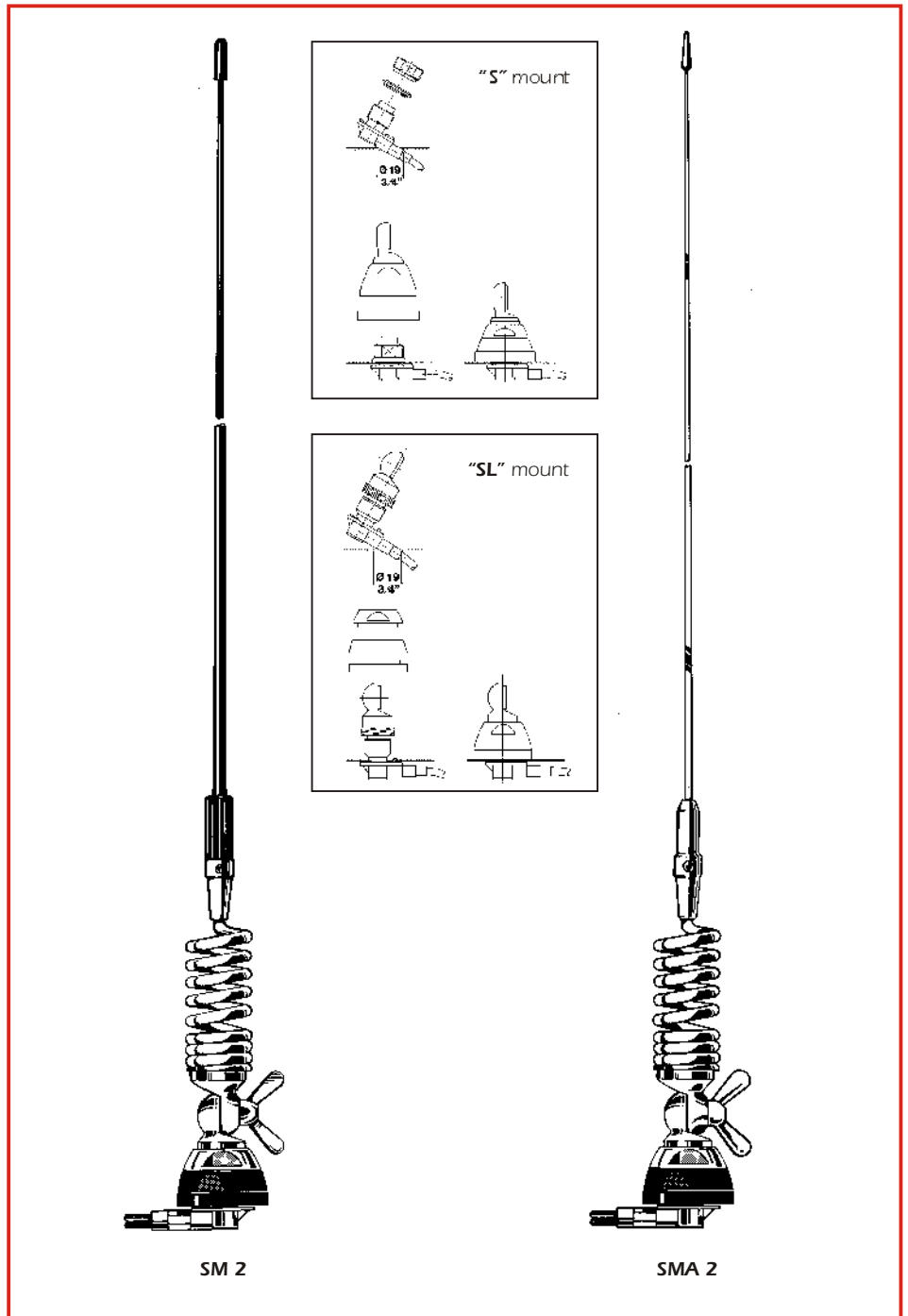
Type 5/8
 Frequency Range tunable from 140 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 1.5 dB ref. to /4 whip
 Bandwidth at V.S.W.R. 2:1
 SM 2 5.3 MHz at 140 MHz
 SMA 2 6.5 MHz at 140 MHz
 V.S.W.R. at res. freq. 1.2: 1 at 140 MHz
 Max Power 100 Watts
 Feed System / Position Transformer / Base
 Standard Mount "S"
 Cable Length / Type 5 m / RG 58

Mechanical Data

Materials
 SM 2 Glass Fibre, Stainless Steel, Nylon
 SMA 2 Stainless Steel 17/7 PH, Nylon
 Height (approx.)
 SM 2 1345 mm
 SMA 2 1440 mm
 Weight (approx.) 350 gr
 Mounting Hole 19 mm

code 2205024.28 SM 2 S mount
code 2205024.32 SM 2 SL mount

code 2205105.28 SMA 2 S mount
code 2205105.32 SMA 2 SL mount



* Diagrams are recommended to be used as a guide and fine tuning by means of SWR-meter

SM 4 SMA 4

Features:

- # Mobile antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Tunable by whip cutting
- # Factory tunable according to specific customer's frequency
- # SM 4 Black fiberglass conic whip
- # SMA 4 17/7 PH stainless steel cylindrical whip
- # 180° inclination and adjustable whip, detachable for car-washes access
- # Black chrome version available
- # Magnetic mount version available

Specifications

Electrical Data

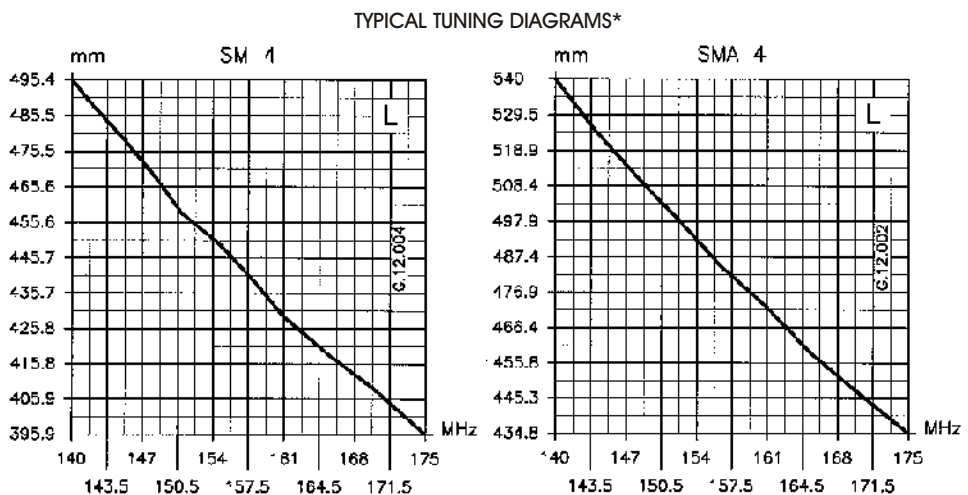
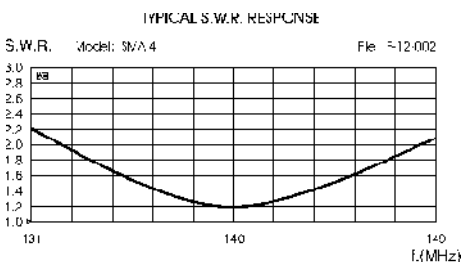
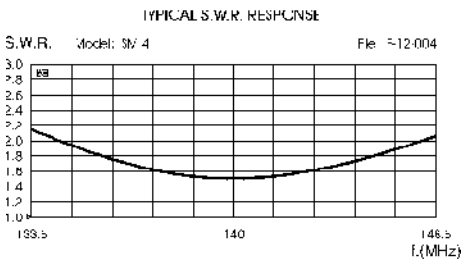
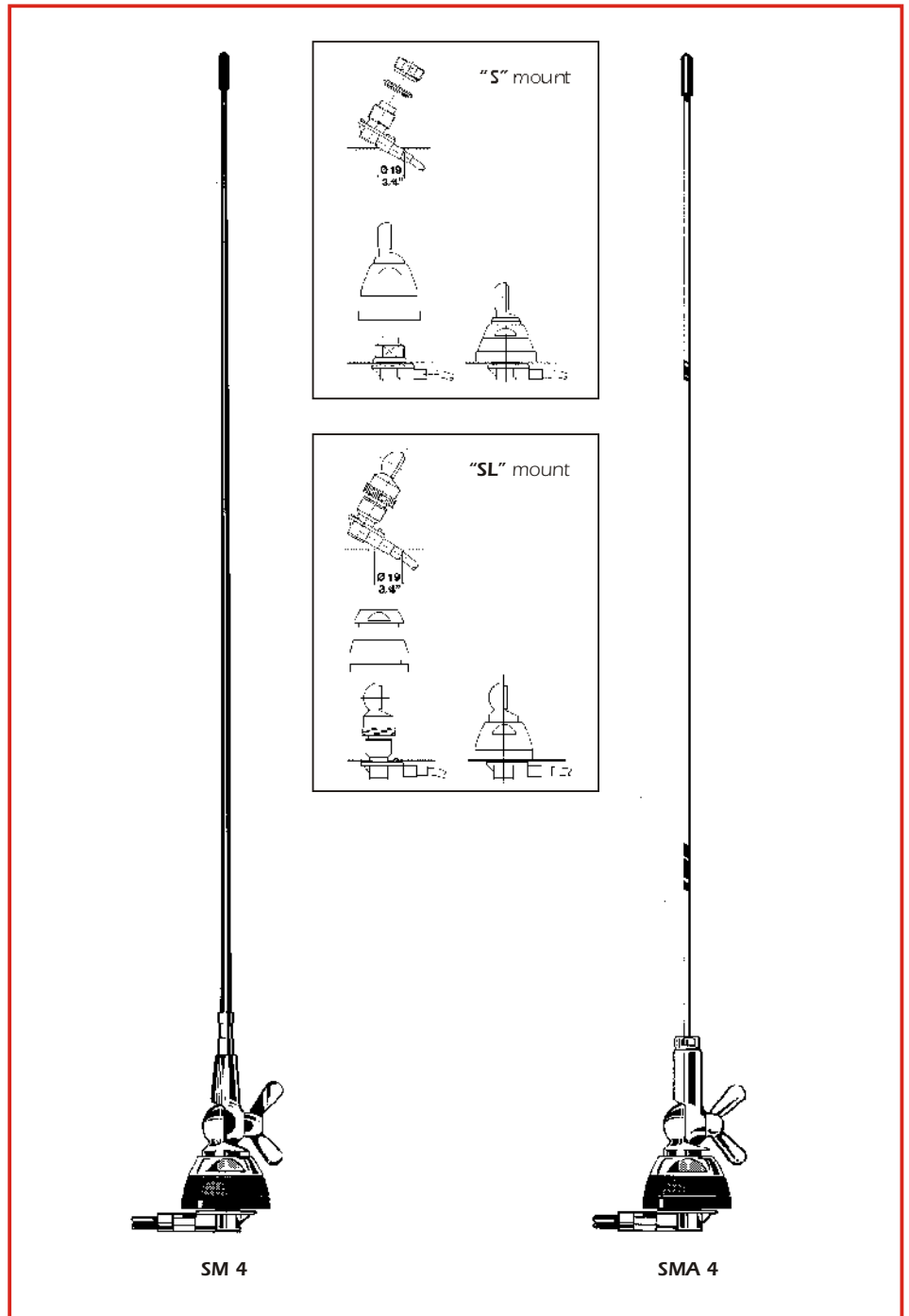
Type 1/4
 Frequency Range tunable from 140 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 0 dB ref. to /4 whip
 Bandwidth at V.S.W.R. 2:1
 SM 4 11 MHz at 140 MHz
 SMA 4 16 MHz at 140 MHz
 V.S.W.R. at res. freq.
 SM 4 1.5: 1 at 140 MHz
 SMA 4 1.3: 1 at 140 MHz
 Max Power 100 Watts
 Feed System / Position Direct / Base
 Standard Mount "S"
 Cable Length / Type 5 m / RG 58

Mechanical Data

Materials
 SM 4 Glass Fibre, Chromed Brass
 SMA 4 Stainless Steel 17/7 PH, Chromed Brass
 Height (approx.)
 SM 4 500 mm
 SMA 4 540 mm
 Weight (approx.) 200 gr
 Mounting Hole 19 mm

code 2205224.28 SM 4 S mount
 code 2205224.32 SM 4 SL mount

code 2205305.28 SMA 4 S mount
 code 2205305.32 SMA 4 SL mount



SKA 140-175 5/8

Features:

- # Mobile antenna, Mono-band
- # Low-gain, Omnidirectional
- # Tunable by whip cutting
- # 17/7 PH stainless steel whip
- # 180° inclination and adjustable whip, detachable for car-washes access
- # Magnetic mount version available

Specifications

Electrical Data

Type 5/8
 Frequency Range tunable from 138 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 1.5 dB ref. to /4 whip
 Bandwidth at V.S.W.R. 2:1 6 MHz at 138 MHz
 V.S.W.R. at res. freq. 1.2: 1 at 138 MHz
 Max Power 100 Watts
 Feed System / Position Transformer / Base
 Standard Mount "S"
 Cable Length / Type 5 m / RG 58

Mechanical Data

Materials Stainless Steel 17/7 PH, Chromed Brass
 Height (approx.) 1440 mm
 Weight (approx.) 280 gr
 Mounting Hole 19 mm

code 2206706.29 SKA 140-175 5/8 S mount
 code 2206706.33 SKA 140-175 5/8 SL mount

MAG 160 5/8

Features:

- # Mobile antenna, Mono-band
- # Low-gain, Omnidirectional
- # Suitable for fitting on magnetic mounts, angular connectors, or portable transceiver
- # MAG 160 5/8 SPRING is supplied with a strong stainless steel spring
- # Tunable by whip cutting
- # 17/7 PH stainless steel whip
- # Black chrome version available
- # Magnetic mount version available

Specifications

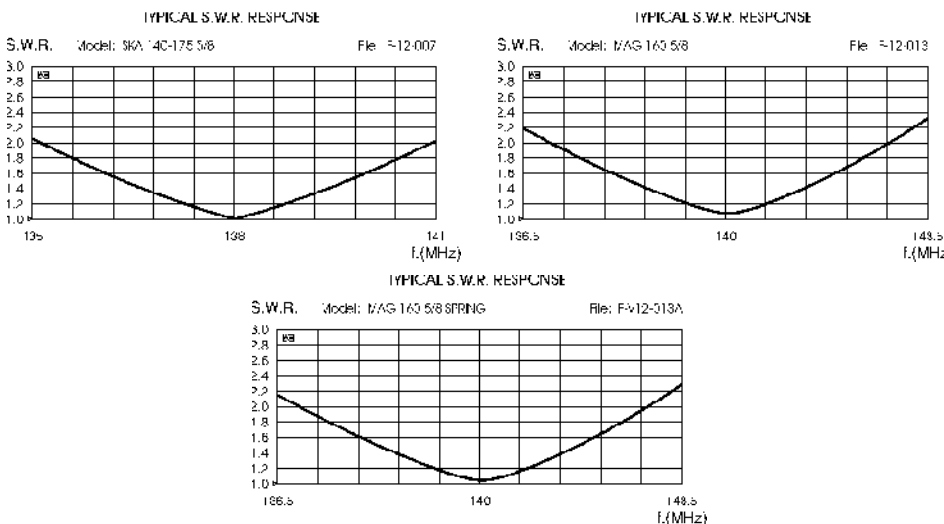
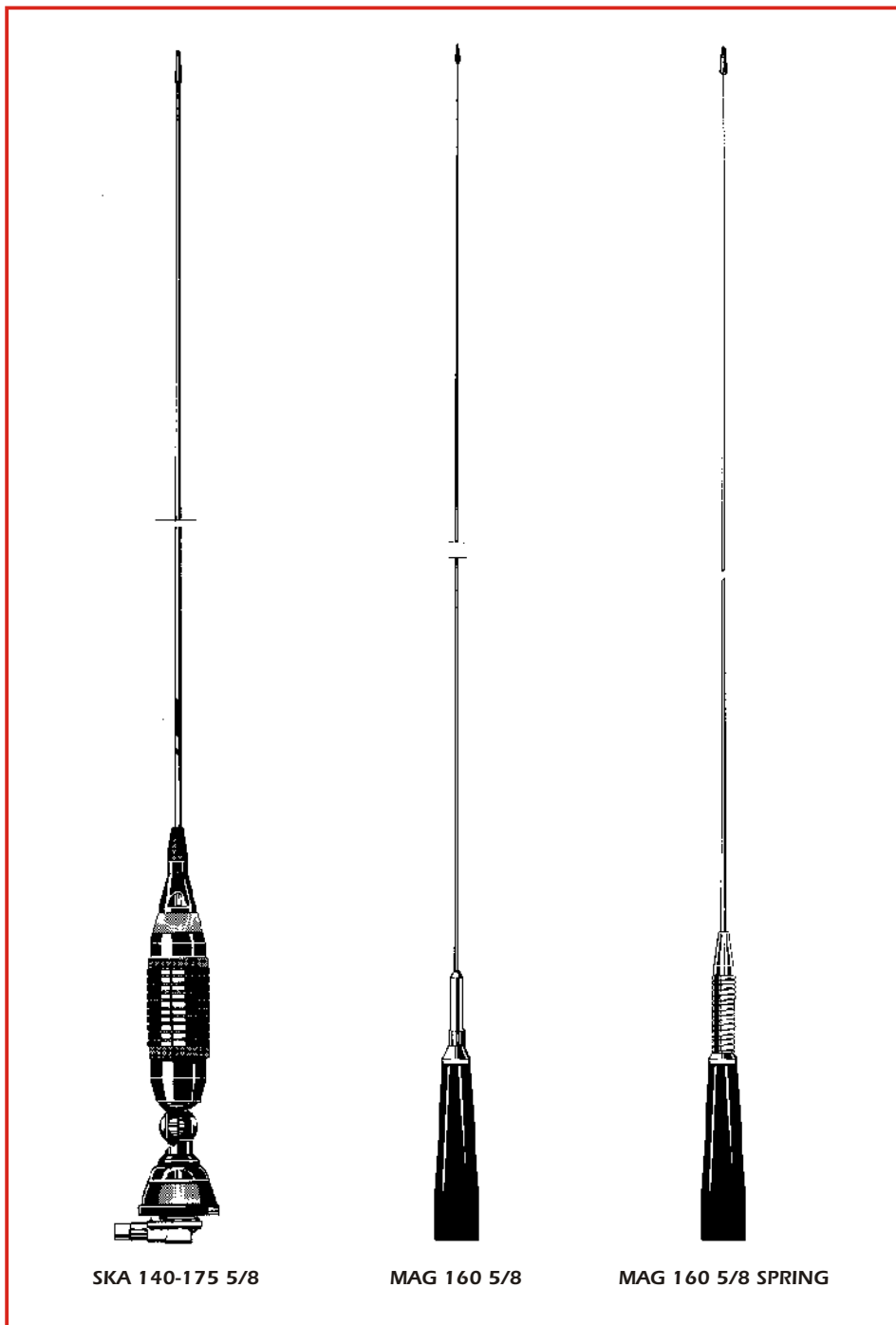
Electrical Data

Type 5/8
 Frequency Range tunable from 140 to 175 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 1.5 dB ref. to /4 whip
 Bandwidth at V.S.W.R. 2:1 6 MHz at 140 MHz
 V.S.W.R. at res. freq. 1.3: 1 at 140 MHz
 Max Power 100 Watts
 Feed System / Position Transformer / Base
 Connector Type UHF-Male

Mechanical Data

Materials ... Stainless Steel 17/7 PH, Chromed Brass, Nylon
 Height (approx.) 1390 mm
 Weight (approx.) 160 gr

code 2430505.05 MAG 160 5/8
 code 2431705.05 MAG 160 5/8 SPRING



MAG 144 PL PL 144 M

Features:

- # Suitable for fitting on magnetic mounts, angular connectors, or portable transceiver
- # Unity-gain, Omnidirectional, Mono-band
- # Tunable by whip cutting
- # Factory tunable according to specific customer's frequency
- # MAG 144 PL 17/7 PH stainless steel cylindrical whip
- # PL 144 M Supplied with a strong stainless steel spring, 17/7 PH tapered stainless steel whip
- # Magnetic mount version available

Specifications

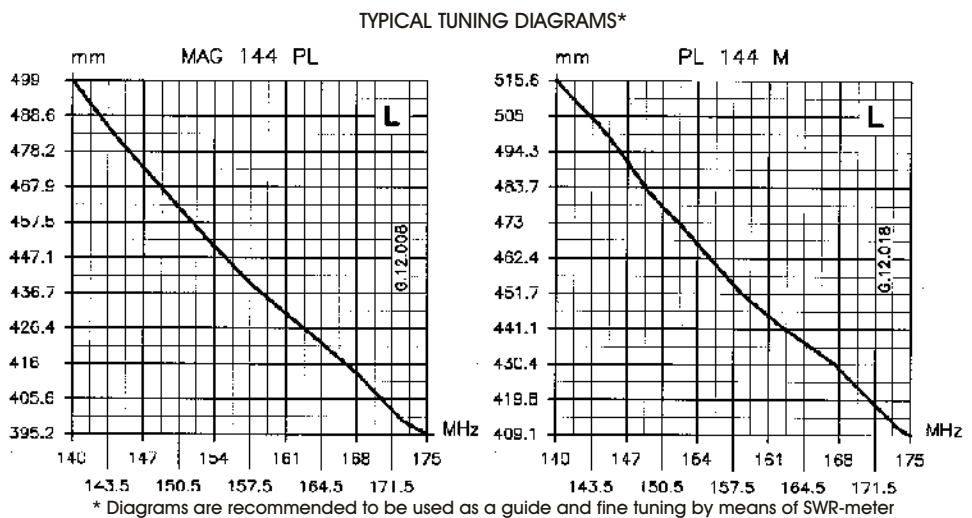
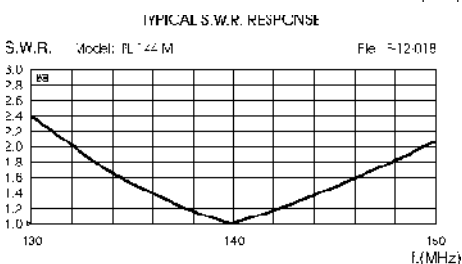
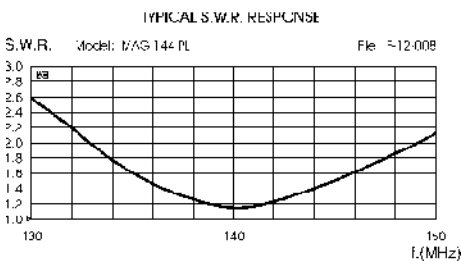
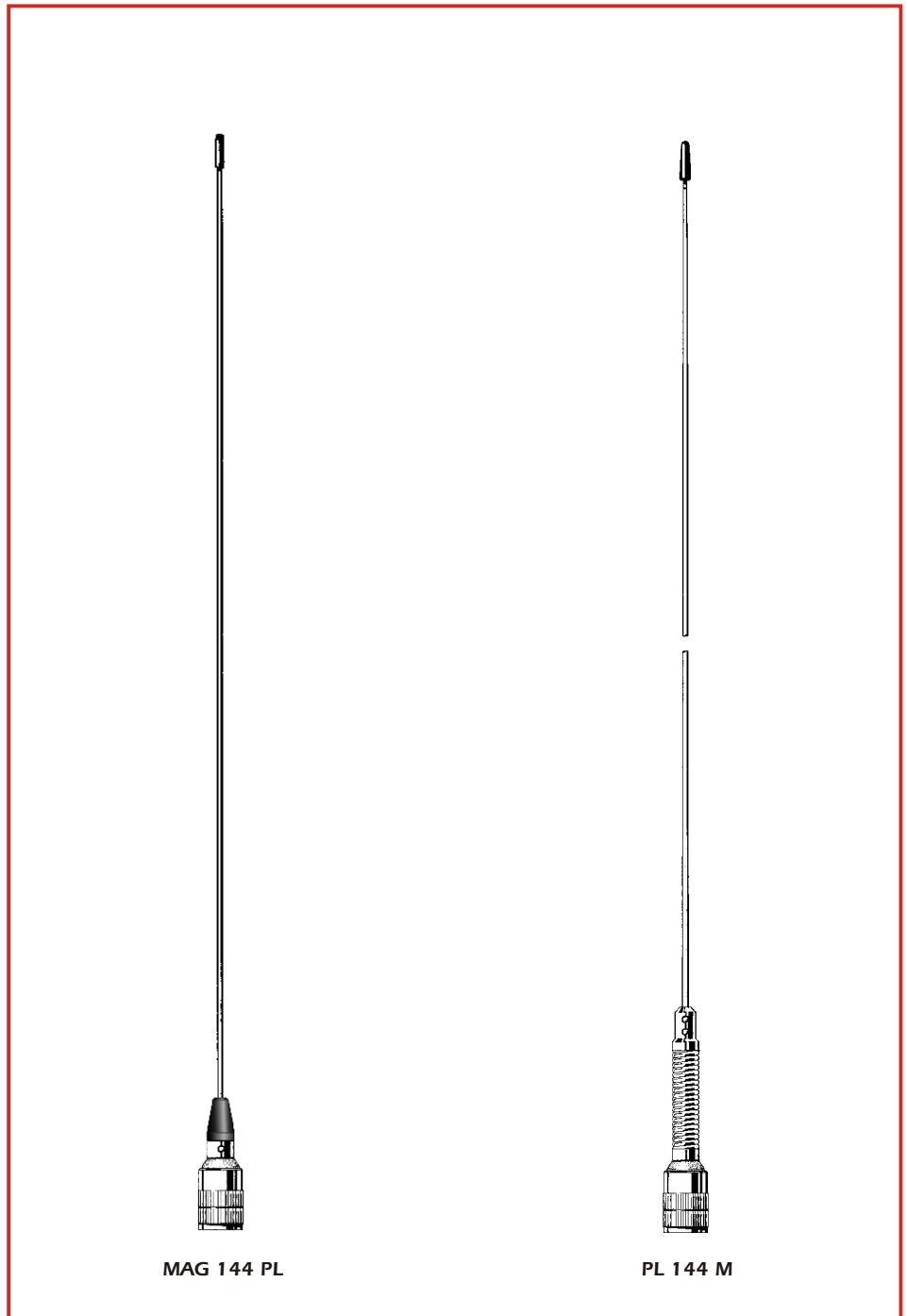
Electrical Data

Type	1/4
Frequency Range	tunable from 140 to 175 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Polarization	Vertical
Gain	0dB ref. to /4 whip
Bandwidth at V.S.W.R. 2:1	
MAG 144 PL	16 MHz at 140 MHz
PL 144 M	17 MHz at 140 MHz
V.S.W.R. at res. freq.	
MAG 144 PL	1.3: 1 at 140 MHz
PL 144 M	1.2: 1 at 140 MHz
Max Power	100 Watts
Feed System / Position	Direct / Base
Connector Type	UHF-Male

Mechanical Data

Materials	Stainless Steel 17/7 PH, Chromed Brass
Height (approx.)	
MAG 144 PL	500 mm
PL 144 M	520 mm
Weight (approx.)	
MAG 144 PL	54 gr
PL 144 M	66 gr

code 2430205.05 MAG 144 PL
code 2431505.05 PL 144 M



MARINER 43 S2

Features:

- # Marine antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Designed to work without Ground Plane
- # Protection from static discharges DC-Ground
- # Perfect protection against the worst weather conditions
- # Stainless steel hardware
- # High quality white fiberglass tapered whip
- # 180° inclination and adjustable whip

Specifications

Electrical Data

Type 1/4 Base Loaded
 Design frequency 43 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 0 dBd, 2.15 dBi
 Bandwidth at V.S.W.R. 2:1 6.7 MHz
 V.S.W.R. at res. freq. 1.3: 1
 Max Power 50 Watts
 Feed System / Position Transformer DC-ground / Base
 Connector Type UHF-Female

Mechanical Data

Materials Glass Fibre, Chromed Brass, Nylon
 Height (approx.) 1420 mm
 Weigh (approx.) 455 gr

code **2304020.85** MARINER 43 S2

TA 43 TA 43 INOX

Features:

- # Marine antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Designed to work without Ground Plane
- # Perfect protection against the worst weather conditions
- # Provided with stainless steel bracket for an easy installation on mast top
- # Stainless steel hardware
- # TA 43 High quality whip made of brass and copper protected by fiberglass tube
- # TA 43 INOX 17/7 PH tapered stainless steel whip

Specifications

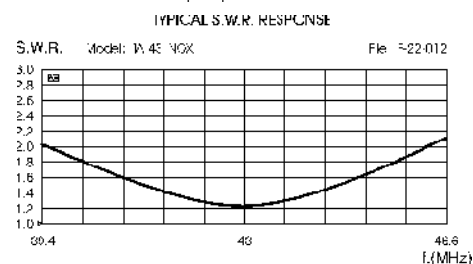
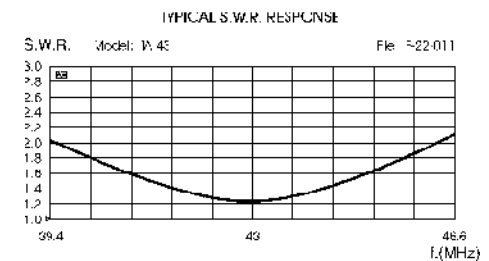
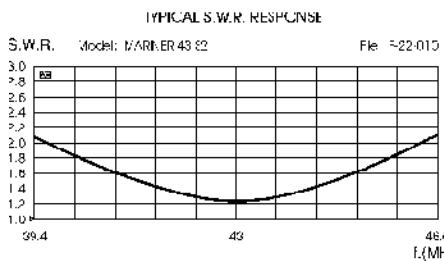
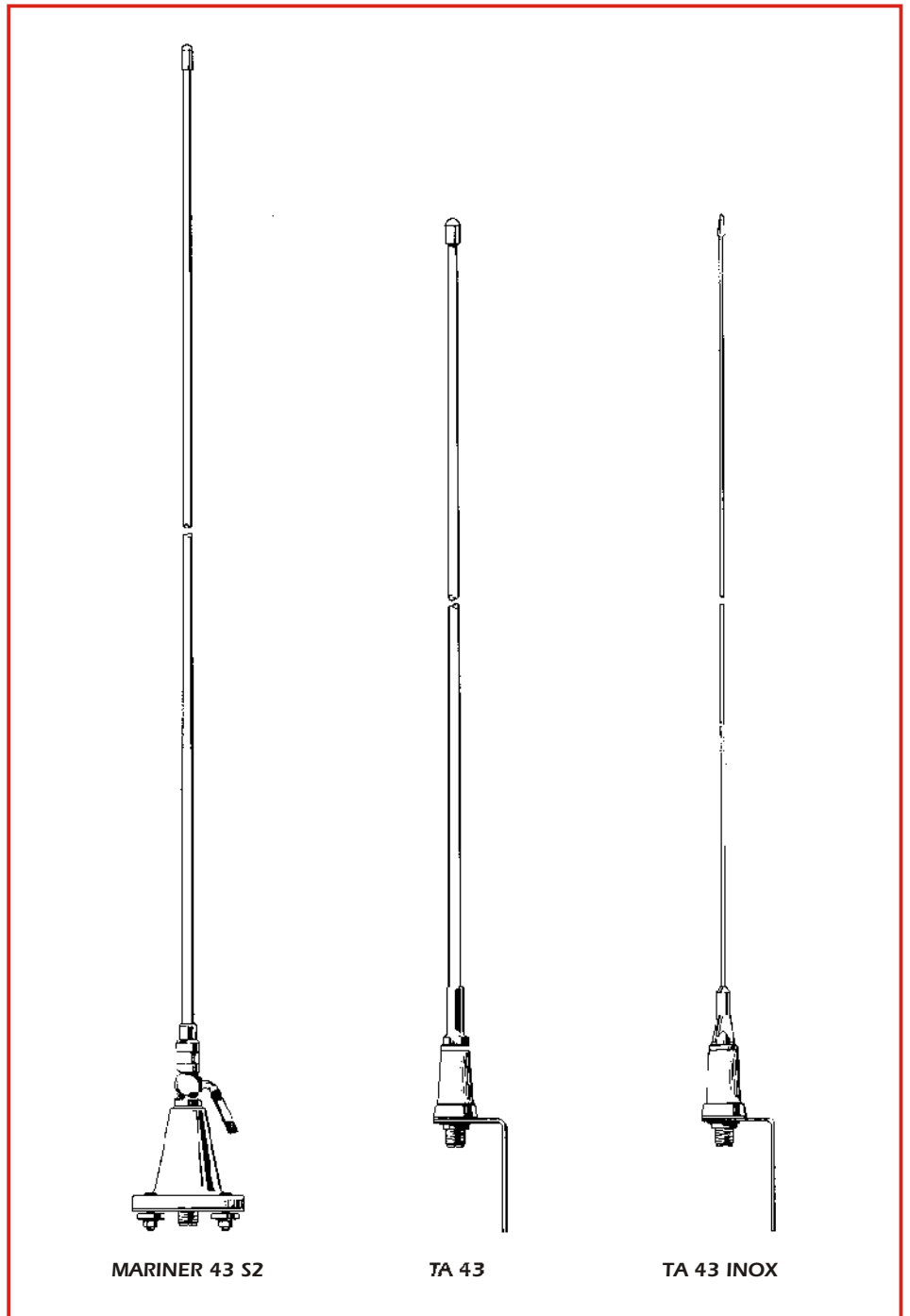
Electrical Data

Type 1/4 Base Loaded
 Design frequency 43 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 0 dBd, 2.15 dBi
 Bandwidth at V.S.W.R. 2:1 6.7 MHz
 V.S.W.R. at res. freq. 1.3: 1
 Max Power 50 Watts
 Feed System / Position Transformer DC-ground / Base
 Connector Type UHF-Female

Mechanical Data

Materials Glass Fibre, 17/7 PH Stainless Steel, Nylon
 Height (approx.) 1070 mm
 Weigh (approx.) 380 gr

code **2304320.80** TA 43
 code **2304305.80** TA 43 INOX



SB 43 M

Features:

- # Marine antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Designed to work without Ground Plane
- # Perfect protection against the worst weather conditions
- # Chrome-plated brass ferrule
- # Supplied with white coaxial cable RG-58 C/U directly connected
- # Stainless steel hardware
- # High quality whip made of brass and copper protected by fiberglass tube
- # Wide range of optional mounting bases

Specifications

Electrical Data

Type 3/8
 Design frequency 43 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 0 dBd, 2.15 dBi
 Bandwidth at V.S.W.R. 2:1 12 MHz
 V.S.W.R. at res. freq. 1.3: 1
 Max Power 50 Watts
 Feed System / Position Transformer DC-ground / Base
 Standard Mount "M3-OT"
 Cable Length / Type 7 m / white RG 58

Mechanical Data

Materials Glass Fibre, Chromed Brass, Nylon
 Height (approx.) 2600 mm
 Weight (approx.) 1720 gr

code **2304220.84 SB 43 M**

CRUISER 43

Features:

- # Marine antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Designed to work without Ground Plane
- # Protection from static discharges DC-Ground
- # Perfect protection against the worst weather conditions
- # Supplied with white coaxial cable RG-58 C/U directly connected
- # Stainless steel hardware
- # High quality white fiberglass tapered whip
- # 180° inclination and adjustable whip

Specifications

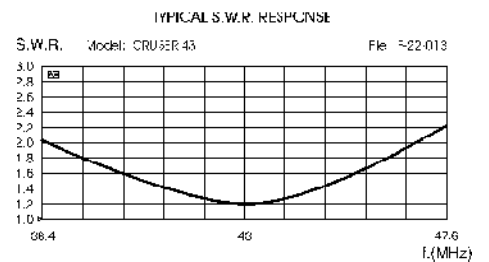
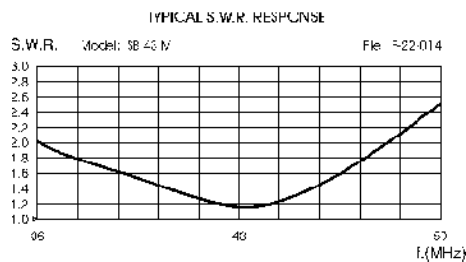
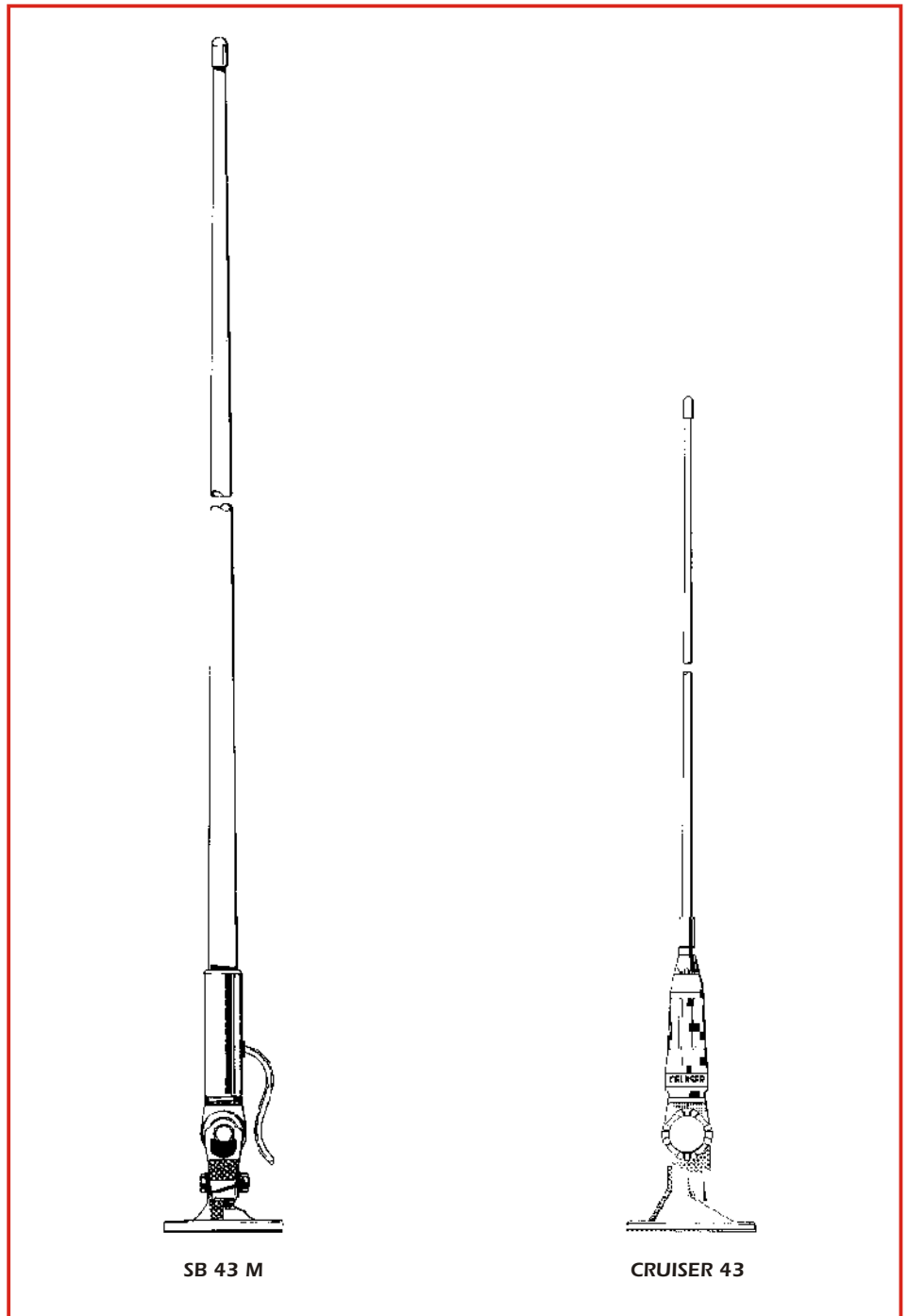
Electrical Data

Type 1/4 Base Loaded
 Design frequency 43 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Polarization Vertical
 Gain 0 dBd, 2.15 dBi
 Bandwidth at V.S.W.R. 2:1 8.3 MHz
 V.S.W.R. at res. freq. 1.3: 1
 Max Power 50 Watts
 Feed System / Position Transformer DC-ground / Base
 Standard Mount "M8-NY"
 Cable Type / Length 5 m / white RG 58

Mechanical Data

Materials Glass Fibre, Chromed Brass, Nylon
 Height (approx.) 1505 mm
 Weight (approx.) 720 gr

code **2304120.83 CRUISER 43**



CRUISER VHF

Features:

- # Marine antenna
- # Mono-band
- # Unity-gain
- # Omnidirectional
- # Designed to work without Ground Plane
- # Perfect protection against the worst weather conditions
- # Supplied with white coaxial cable RG-58 C/U directly connected
- # Stainless steel hardware
- # High quality white fiberglass conic whip
- # 180° inclination and adjustable whip

Specifications

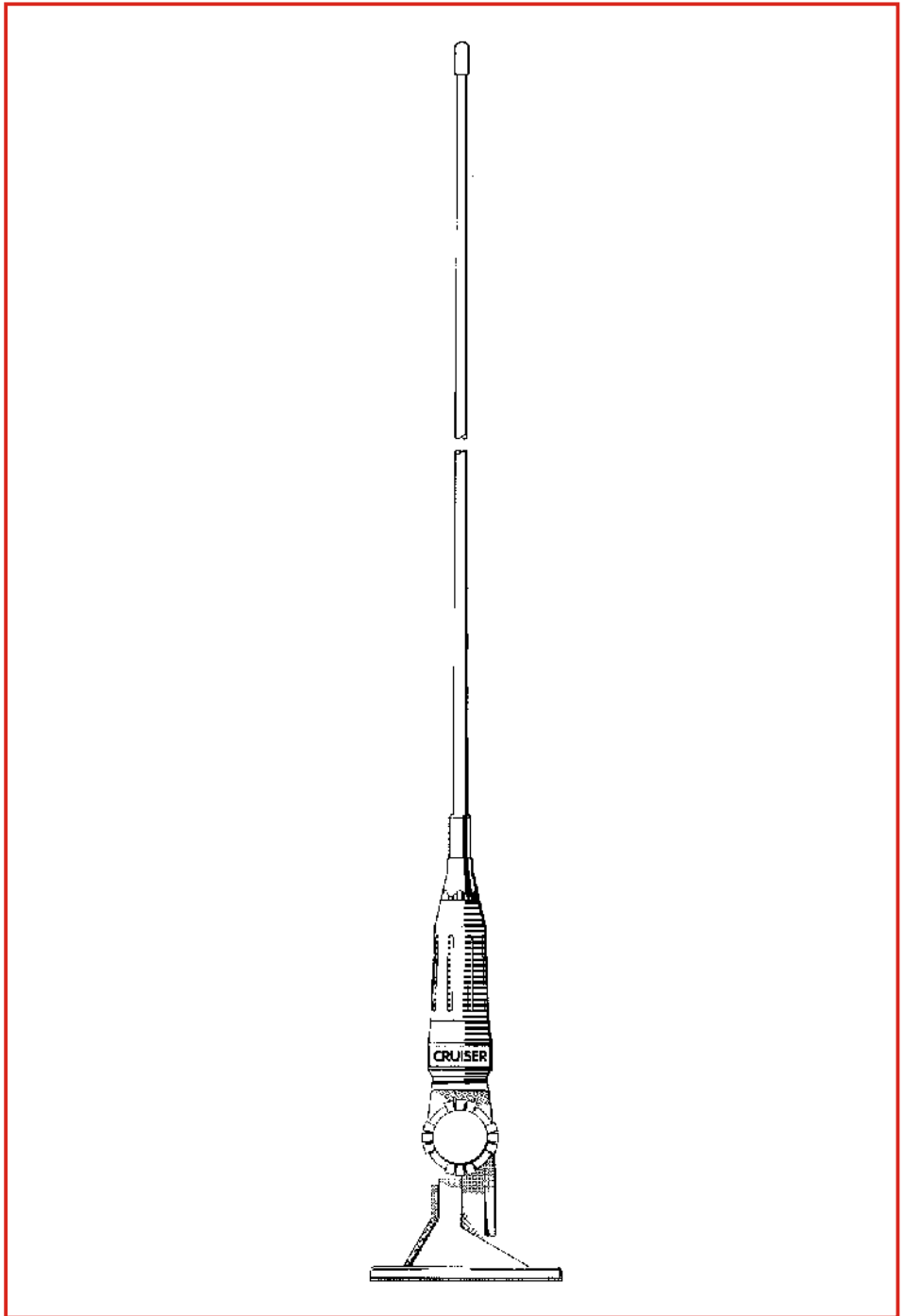
Electrical Data

Type 1/2
 Frequency Range at V.S.W.R. 2:1 154-162.6 MHz
 Impedance 50 Unbalanced
 Radiation (H-plane) 360° Omnidirectional
 Radiation (E-plane) Beamwidth at -3 dB = 60°
 Radiation angle deg. 23°
 Polarization Vertical
 Gain 0 dBd, 2.15 dBi
 Bandwidth at V.S.W.R. 2:1 8.6 MHz
 V.S.W.R. at res. freq. 1.3: 1
 Max Power 100 Watts
 Feed System / Position Transformer DC-ground / Base
 Standard Mount "M8-NY"
 Cable Length / Type 5.5 m / white RG 58

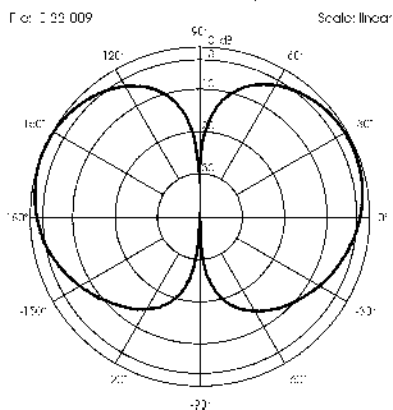
Mechanical Data

Materials Glass Fibre, Chromed Brass, Nylon
 Height (approx.) 1100 mm
 Weight (approx.) 680 gr

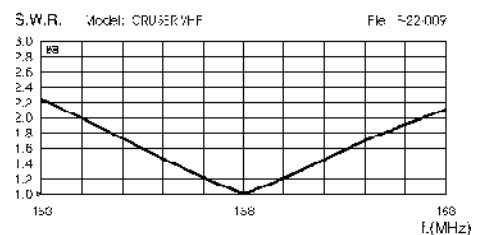
code 2301520.83



TYPICAL RADIATION PATTERN in E-plane at 158 MHz



TYPICAL S.W.R. RESPONSE



MARINER 160 S2 MARINER 160 S3

Features:

- # Marine antenna, Mono-band
- # Omnidirectional
- # MARINER 160 S2 Unity-gain,
MARINER 160 S3 Low-gain
- # Designed to work without Ground Plane
- # Protection from static discharges
DC-Ground
- # Stainless steel hardware
- # High quality white fiberglass whip

Specifications

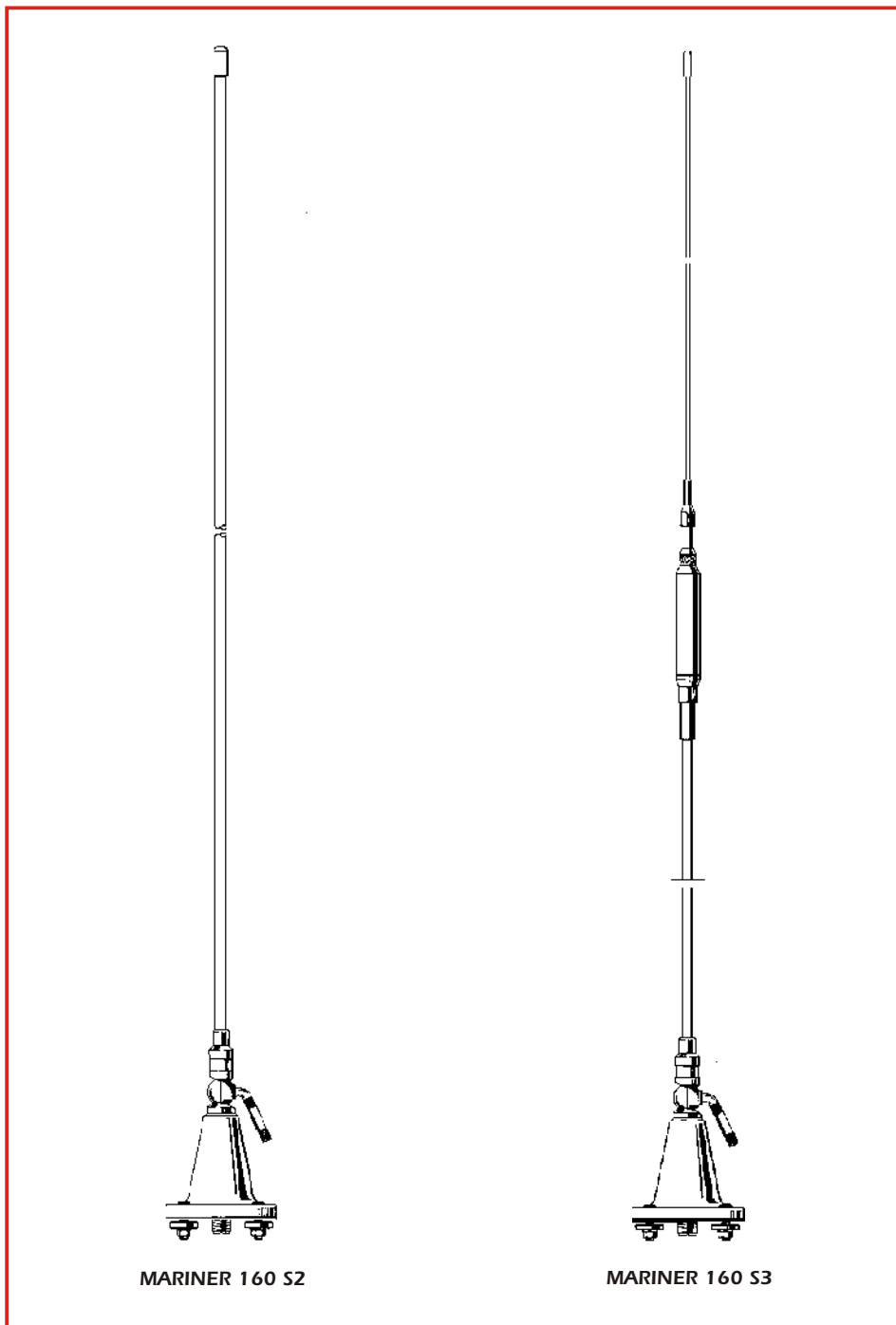
Electrical Data

Type	
MARINER 160 S2	1/2
MARINER 160 S3	2 x 1/2 Colinear
Frequency Range at V.S.W.R. 2:1	
MARINER 160 S2	155-162 MHz
MARINER 160 S3	155-160.6 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Radiation (E-plane)	
MARINER 160 S2	Beamwidth at -3 dB = 60°
MARINER 160 S3	Beamwidth at -3 dB = 35°
Radiation angle deg.	
MARINER 160 S2	23°
MARINER 160 S3	-14°
Polarization	Vertical
Gain	
MARINER 160 S2	0 dBd, 2.15 dBi
MARINER 160 S3	2 dBd, 4.15 dBi
Bandwidth at V.S.W.R. 2:1	
MARINER 160 S2	6.7 MHz
MARINER 160 S3	5.6 MHz
V.S.W.R. at res. freq.	1.2: 1
Max Power	100 Watts
Feed System / Position	Transformer DC-ground / Base
Connector Type	UHF-Female

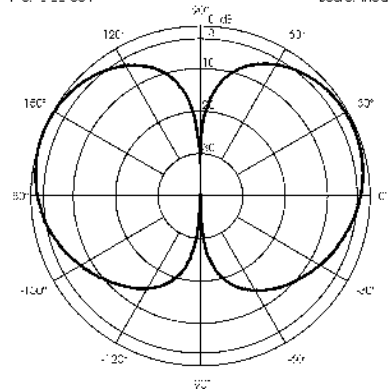
Mechanical Data

Materials	Glass Fibre, Chromed Brass, Nylon
Height (approx.)	
MARINER 160 S2	900 mm
MARINER 160 S3	2020 mm
Weight (approx.)	
MARINER 160 S2	420 gr
MARINER 160 S3	530 gr

code **2300320.82** **MARINER 160 S2**
code **2301620.82** **MARINER 160 S3**

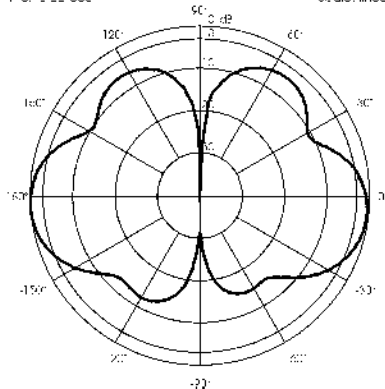


TYPICAL RADIATION PATTERN in E-plane at 158 MHz
File: F-22-004



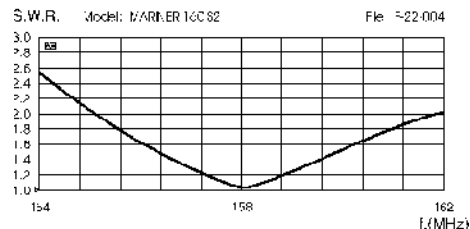
MARINER 160 S2

TYPICAL RADIATION PATTERN in E-plane at 158 MHz
File: F-22-006

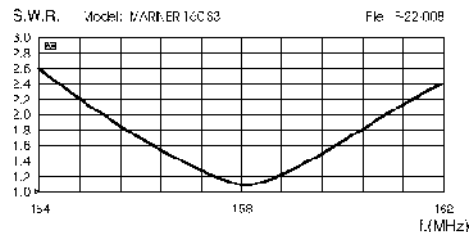


MARINER 160 S3

TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



SB 1 S SB 2 S

Features:

- # Marine antenna, Mono-band
- # Unity-gain, Omnidirectional
- # Designed to work without Ground Plane
- # Protection from static discharges DC-Ground
- # Perfect protection against the worst weather conditions
- # Provided with stainless steel bracket for an easy installation on mast top
- # Stainless steel hardware
- # SB 1 S High quality whip made of brass and copper protected by fiberglass tube
- # SB 2 S 17/7 PH tapered stainless steel whip

Specifications

Electrical Data

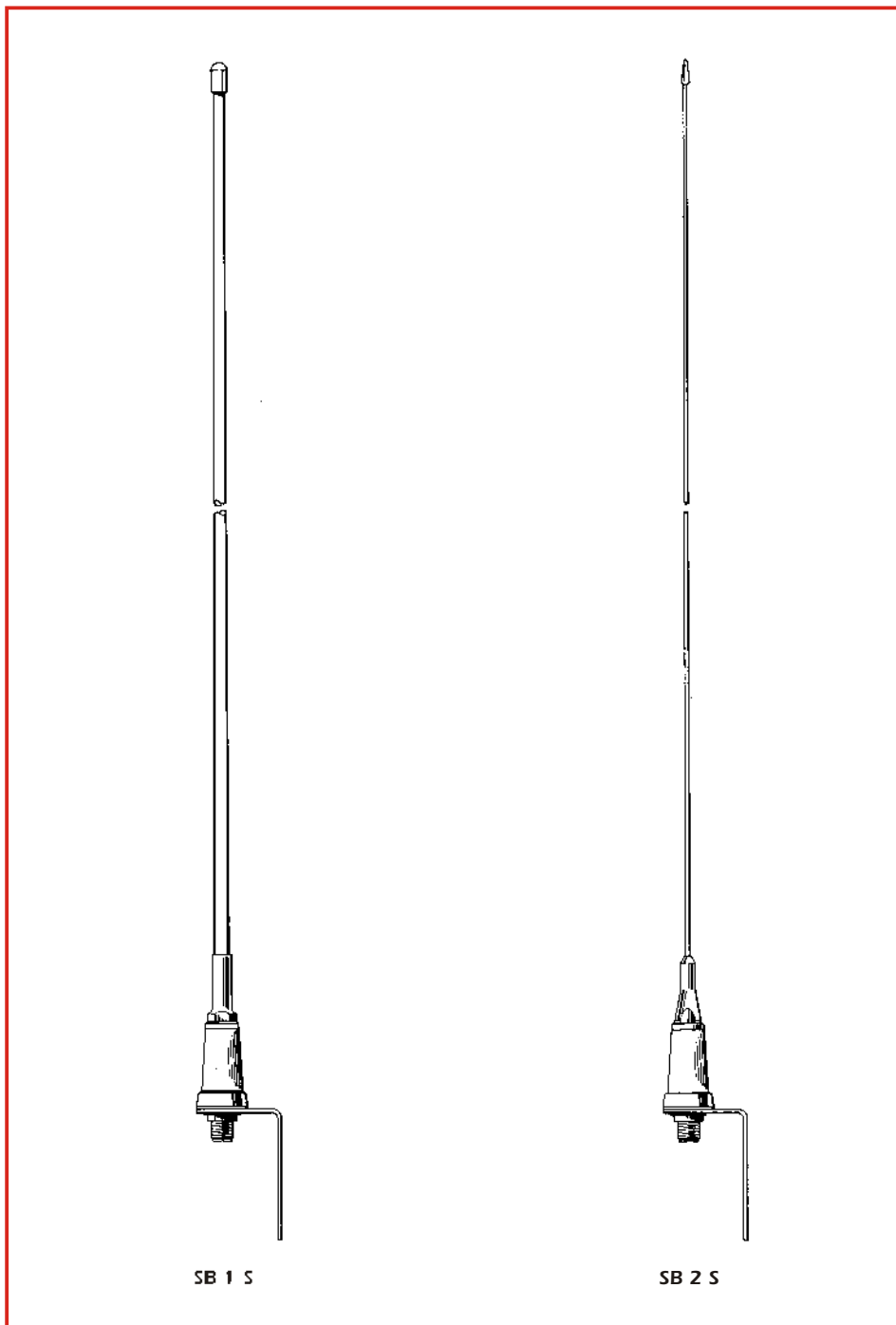
Type	1/2
Frequency Range at V.S.W.R. 2:1	154.4-163.5 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Radiation (E-plane)	Beamwidth at -3 dB = 60°
Radiation angle deg.	23°
Polarization	Vertical
Gain	0 dBd, 2.15 dBi
Bandwidth at V.S.W.R. 2:1	9.1 MHz
V.S.W.R. at res. freq.	1.2: 1
Max Power	100 Watts
Feed System / Position	Transformer DC-ground / Base
Connection	UHF-Female

Mechanical Data

Materials

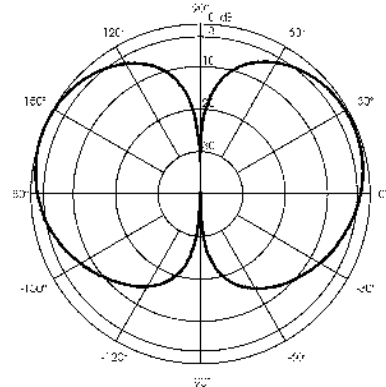
SB 1 S	Glass Fibre, Chromed Brass, Nylon
SB 2 S	17/7 PH Stainless Steel, Chromed Brass, Nylon
Height (approx.)	
SB 1 S	1060 mm
SB 2 S	1050 mm
Weight (approx.)	
SB 1 S	380 gr
SB 2 S	330 gr

code 2300420.80 SB 1 S
code 2301120.80 SB 2 S



TYPICAL RADIATION PATTERN in E-plane at 158 MHz

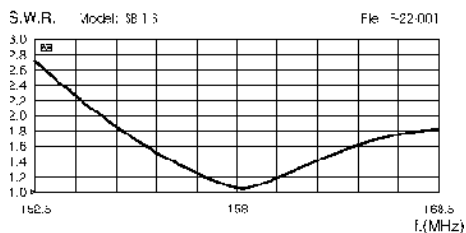
Γ: 1.22:001 Source: Linear



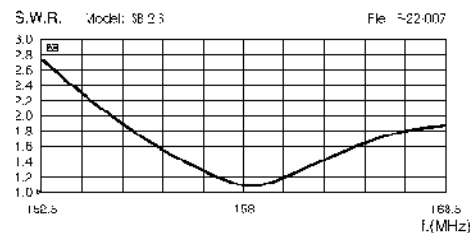
SB 1 S

SB 2 S

TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



SB 3 U SB 3 S/...

Features:

- # Marine antenna, Mono-band
- # Low-gain, Omnidirectional
- # Designed to work without Ground Plane
- # Protection from static discharges DC-Ground
- # Perfect protection against the worst weather conditions
- # Provided with stainless steel bracket for an easy installation on mast top
- # Stainless steel hardware
- # High quality whip made of brass and copper protected by fiberglass tube
- # SB 3 S Supplied with white coaxial cable RG-58 C/U directly connected

Specifications

Electrical Data

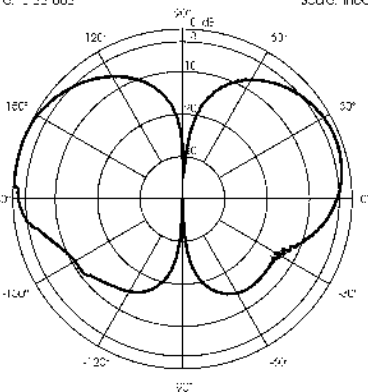
Type	3/4 J-pole
Frequency Range at V.S.W.R. 2:1	
SB 3 U	155.8-160.1 MHz
SB 3 S/...	155.5-160.5 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Radiation (E-plane)	Beamwidth at -3 dB = 39°
Radiation angle deg.	21°
Polarization	Vertical
Gain	2 dBd, 4.15 dBi
Bandwidth at V.S.W.R. 2:1	
SB 3 U	4.3 MHz
SB 3 S/...	5 MHz
V.S.W.R. at res. freq.	
SB 3 U	1.5: 1
SB 3 S/...	1.3: 1
Max Power	100 Watts
Feed System / Position	1/4 Parallel line stub / Base
Connection	UHF-Female (SB 3 U only)
Cable Length/Type ...	5, 18 or 25 m / white RG 58 (SB 3 S only)

Mechanical Data

Materials	Glass Fibre, Chromed Brass, Nylon
Height (approx.)	1465 mm
Weight (approx.)	
SB 3 U	300 gr
SB 3 S/5	485 gr

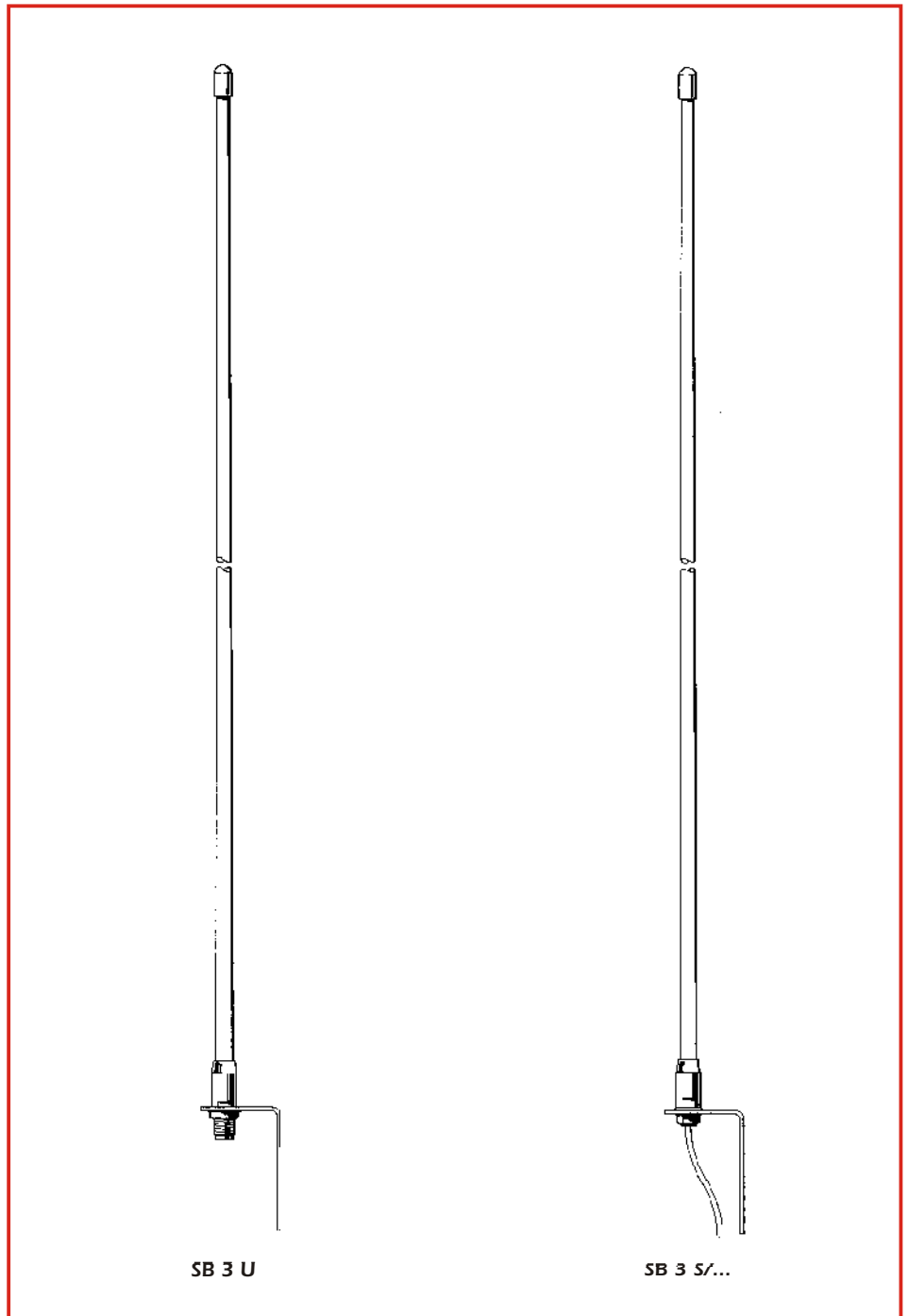
- code 2300520.80 SB 3 U
- code 2300620.80 SB 3 S/5 (5 m cable)
- code 2300720.80 SB 3 S/18 (18 m cable)
- code 2301020.80 SB 3 S/25 (25 m cable)

TYPICAL RADIATION PATTERN in E-plane at 158 MHz
Γ_{ref} = 1.22-003 Scale: linear



SB 3 U

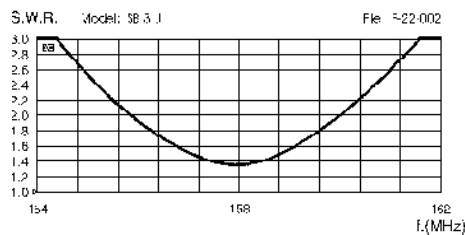
SB 3 S/...



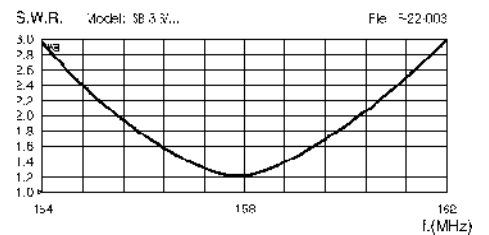
SB 3 U

SB 3 S/...

TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



SB 3 M SB 6 M

Features:

- # Marine antenna, Mono-band
- # Omnidirectional
- # SB 3 M Low-gain, SB 6 M Medium-gain
- # Designed to work without Ground Plane
- # Protection from static discharges DC-Ground
- # Chrome-plated brass ferrule
- # Stainless steel hardware
- # High quality whip made of brass and copper protected by fiberglass tube
- # Supplied with white coaxial cable RG-58 C/U directly connected
- # Wide range of optional mounting bases

Specifications

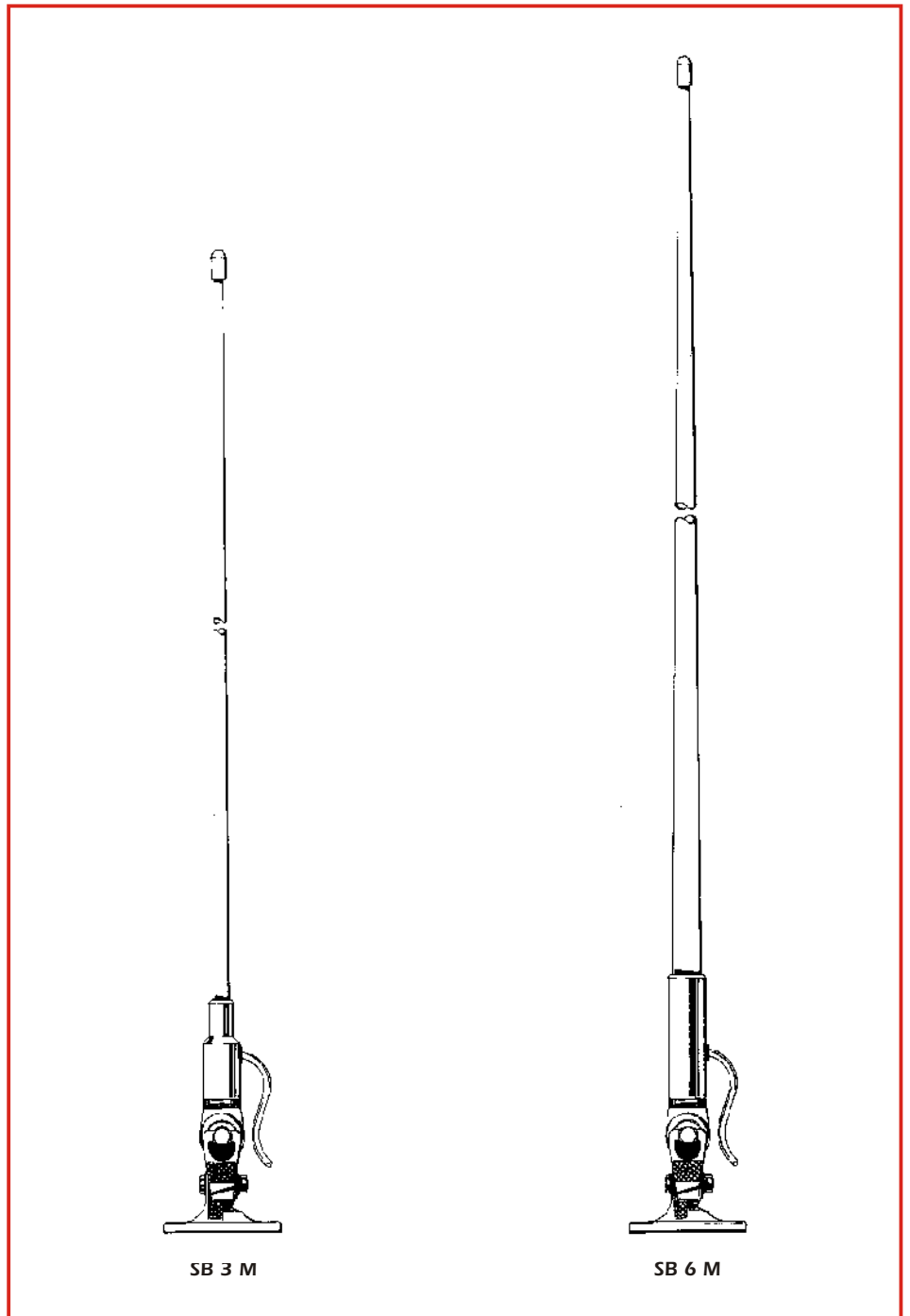
Electrical Data

Type SB 3 M	3/4 J-pole
SB 6 M	3/4 + 1/2 Colinear J-pole
Frequency Range at V.S.W.R. 2:1	
SB 3 M	155.5-160 MHz
SB 6 M	155-160.4 MHz
Impedance	50 Unbalanced
Radiation (H-plane)	360° Omnidirectional
Radiation (E-plane)	SB 3 M Beamwidth at -3 dB = 39°
	SB 6 M Beamwidth at -3 dB = 31°
Radiation angle deg.	SB 3 M 21°
	SB 6 M -7°
Polarization	Vertical
Gain SB 3 M	2 dBd, 4.15 dBi
SB 6 M	3.5 dBd, 5.65 dBi
Bandwidth at V.S.W.R. 2:1	SB 3 M 4.5 MHz
	SB 6 M 5.4 MHz
V.S.W.R. at res. freq.	SB 3 M 1.4: 1
	SB 6 M 1.2: 1
Max Power	100 Watts
Feed System / Position	1/4 Parallel line stub / Base
Standard Mount SB 3 M	"M8-NY"
SB 6 M	"M3-OT"
Cable Length / Type	SB 3 M 5 m / white RG 58
	SB 6 M 7 m / white RG 58

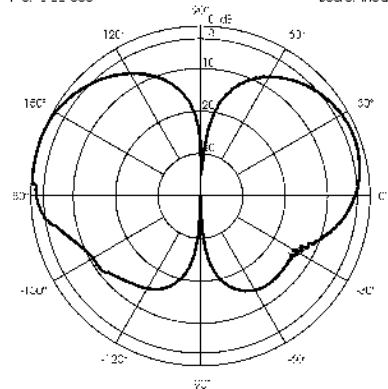
Mechanical Data

Materials	Glass Fibre, Chromed Brass, Copper
Height (approx.)	SB 3 M 1480 mm
	SB 6 M 2600 mm
Weight (approx.)	SB 3 M 750 gr
	SB 6 M 1700 gr

code 2300820.83 SB 3 M
code 2300920.84 SB 6 M

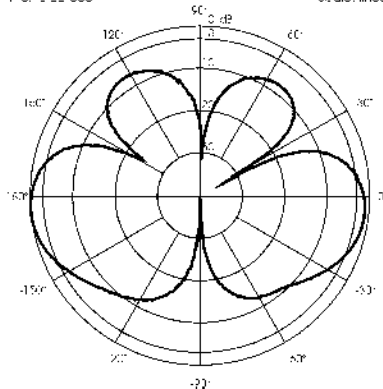


TYPICAL RADIATION PATTERN in E-plane at 158 MHz
Γ: 22-006 Scale: linear



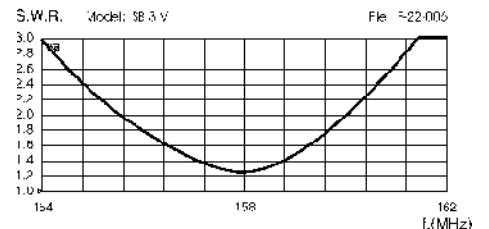
SB 3 M

TYPICAL RADIATION PATTERN in E-plane at 159 MHz
Γ: 22-006 Scale: linear

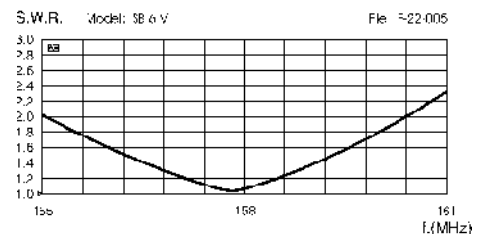


SB 6 M

TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE





"S" Mount Type

Frequency Range: from DC to 300 MHz
 Overall Size: 42 mm
 Mounting Hole: 19 mm
 "S" Chrome 2501002.01
 "S" Black 2501002.02



"SL" Mount Type

Frequency Range: from DC to 500 MHz
 Overall Size: 39 mm
 Mounting Hole: 19 mm
 "SL" Chrome 2501102.01
 "SL" Black 2501102.02



"SL-S" Mount Type

Frequency Range: from DC to 500 MHz
 Overall Size: 39 mm
 Mounting Hole: 19 mm
 "SL-S" Black 2501102.04



"ML" Mount Type

Frequency Range: from DC to 1000 MHz
 Overall Size: 30mm
 Mounting Hole: 14 or 18 mm
 "ML" 2501202.06



"ABN" Trunk Mount

Fixing Hole: 16 mm
 Material: Painted Steel
 ABN Black 2504105.00



"TRUNK TOP 2" Mount

DV/PL Chrome 2504406.12
 DV/PL Black 2504407.13
 PL-3/8 Chrome 2504406.14
 PL-3/8 Black 2504407.14



"KF" Gutter Mount

Fixing Hole: 16 mm
 Material: Painted Zinc
 KF Black 2504205.00
 KF Black 3/8 + PL + Cable 2504205.03



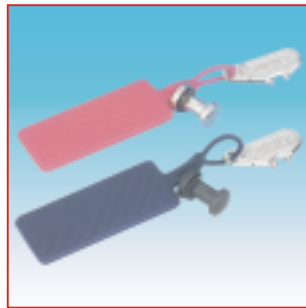
"Screw & Bolt"

Materials: Brass and Zinc, Chrome plated
 Chrome 2506206.00
 Black 2506207.00



"Wing Bolt"

Materials: Brass, Chrome plated
 Chrome 2506306.00
 Black 2506307.00



"Safety Set"

Materials: Brass and Zinc, Chrome plated
 Chrome 2506506.00
 Black 2506507.00



"FT-2" Fixing Bracket

Top Size: 38 mm for antenna fitting
 Bottom Size: 45/50 mm for fitting on the mast
 Weight (approx.): 1100 gr
 Material: Galvanized Steel
 FT-2 Universal 2510004.00



"FT-3" Fixing Bracket

Top Size: 30 mm for antenna fitting
 Bottom Size: 35/54mm for fitting on the mast
 Weight (approx.): 350 gr
 Material: Anodized aluminium, Stainless steel
 FT-3 2511301.00



"M-1" Marine Bracket

Dimension L x W x H : 38 x 64 x 98 mm
 Weight (approx.): 120 gr
 Material: Stainless Steel
 M-1 Marine Bracket 2503503.00



"M-3" Marine Mount

Connection: standard 1"x14 threads
 Dimension L x W x H : 60 x 95 x 130 mm
 Weight (approx.): 860 gr
 Materials: Chromed Brass, Stainless steel hardware
 M-3 OT Marine Mount 2503606.00



"M-8" Marine Mount

Connection: standard 1"x14 threads
 Dimension L x W x H : 70 x 105 x 130 mm
 Weight (approx.): 250 gr
 Materials: Nylon, Stainless steel hardware
 M-8 NY Marine Mount 2503301.00



"M-10" Marine Mount

Connection: standard 1"x14 threads
 Fixing diameter: 1"
 Weight (approx.): 600 gr
 Materials: Chromed Brass, Stainless steel hardware
 M-10 OT Marine Mount 2503406.00

Photo: MAG H 12 PL (with PL-female connection)



"MAG H 12" Magnet Mount

MAG H 12 PL	2502502.05
MAG H 12 S	2502502.01
MAG H 12 S Black	2502502.02
MAG H 12 3/8	2502502.03

Photo: MAG 125 S (with DV-joint connection)



"MAG 125" Magnet Mount

MAG 125 PL	2502602.05
MAG 125 S	2502602.01
MAG 125 S Black	2502602.02
MAG 125 3/8	2502602.03

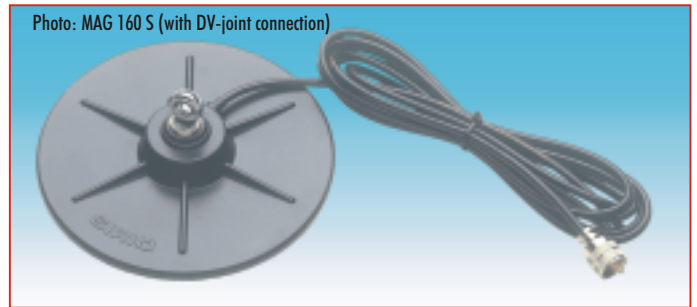
Photo: MAG 145 3/8 (with DV-joint connection)



"MAG 145" Magnet Mount

MAG 145 PL	2502702.05
MAG 145 S	2502702.01
MAG 145 S Black	2502702.02
MAG 145 3/8	2502702.03

Photo: MAG 160 S (with DV-joint connection)



"MAG 160" Magnet Mount

MAG 160 PL	2502802.05
MAG 160 S	2502802.01
MAG 160 S Black	2502802.02
MAG 160 3/8	2502802.03



"HP MAG H 12 PL" Magnet Mount

Frequency Range: from DC to 500 MHz
 Materials: Nylon, Chromed brass, Teflon insulator,
 Goldplated pin, 3.6m RG58C/U MILC17
 HP MAG H 12 PL 2511802.05



"HP MAG 125 PL" Magnet Mount

Frequency Range: from DC to 500 MHz
 Materials: Nylon, Chromed brass, Teflon insulator,
 Goldplated pin, 3.6m RG58C/U MILC17
 HP MAG 125 PL 2511202.05



"HP-AC/U" Angular Connector

Frequency Range: from DC to 500 MHz
 Materials: Brass nichel plated, Teflon insulator,
 Gold plated pin, 5m RG58 C/U MIL C17
 HP-AC/U + Cable 2510805.00



"Antennas Display"

Materials: Painted Zinc with rubber gasket
 Fixing Hole: 8 x 12.5 mm
 DISPLAY 2508008.00



Wall Antennas' Dispenser

Dimension L x H : 140 x 190 mm
 Materials: Aluminium, Painted steel
 Wall antennas' dispenser 32.0002



SMA-male

Crimp type for RG 58, CO 100 30.SMA001.00
Crimp type for RG 174, RG 316 30.SMA002.00



SMA-female

Crimp type for RG 58, CO 100 30.SMA003.00
Crimp type for RG 174, RG 316 30.SMA004.00



BNC-male

Crimp type for RG 58, CO 100 30.BNC001.00



TNC-male

Crimp type for RG 58, CO 100 30.TNC001.00



N-male

Crimp type for RG 58, CO 100 30.N001.00



N-female

Crimp type for RG 58, CO 100 30.N002.00



FME-male

Crimp type for RG 58, CO 100 30.FME001.00
Crimp type for RG 174, RG 316 30.FME005.00



FME-female

Crimp type for RG 58, CO 100 30.FME002.00
Crimp type for RG 174, RG 316 30.FME003.00



**FME-m / UHF-m
adaptor**

Code 30.AD002.00



**FME-m / Mini UHF-m
adaptor**

Code 30.AD004.00



**FME-m / BNC-m
adaptor**

Code 30.AD005.00



**FME-m / N-m
adaptor**

Code 30.AD006.00

COAXIAL CABLES Data

Type	Impedance	External diameter	Color
RG 58 C/U	50	4.95 mm	Black
CO 100	50	4.95 mm	White
RG 174	50	2.8 mm	Black
RG 316/U	50	2.5 mm	Brown

Attenuation dB for 100 m

Freq. Cable	25 MHz	50 MHz	100 MHz	200 MHz	300 MHz	400 MHz	500 MHz	800 MHz	1 GHz	1.6 GHz	1.8 GHz	2.0 GHz	2.2 GHz	2.4 GHz	2.5 GHz	3.0 GHz
RG 58 C/U	7	10	15	21	26	30	34	44	50	66	70	76	78	86	87	98
CO 100	5	7	10	14	17	20	23	29	33	42	45	48	50	53	54	60
RG 174	13	18	27	39	48	56	64	84	95	124	133	141	150	159	162	184
RG 316/U	12	17	26	38	47	55	62	80	91	118	126	134	141	149	152	169