

10 element YAGI BASE STATION Antenna for AMPS and GSM 900 MHz

SY-910 p/n 2110001.00

Electrical Data:

Type:	10 element Yagi Antenna
Frequency Range:	824-960 Mhz for AMPS, GSM 900
Impedance:	50 Unbalanced
Polarization:	Linear Vertical
Gain:	15 dBi
3 dB Beamwidth Vertical:	E-plane 34° at 890 MHz
3 dB Beamwidth Horizontal:	H-plane 38° at 890 MHz
Downtilt:	0°
Front to back ratio:	15 dB
V.S.W.R. in Bandwidth:	1.4:1
Max Power:	10 Watts (CW) at 50° C
Lightning protection:	DC-ground
Connector:	FME-male

Mechanical Data:

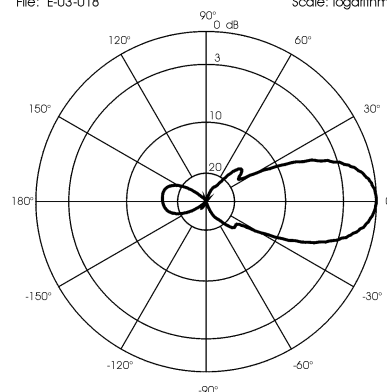
Housing Materials:	Aluminium, Nikel Brass, PCB
Wind Load / Resistance:	48 N at 150 Km/h / 150 Km/h
Wind Surface:	0.03 m ²
Dimensions (approx.):	190 x 980 x 60 mm
Turning Radius:	940 mm
Weight (approx.):	500 gr
Operating Temperature:	-20° C to +80° C
Mounting Mast:	25-42 mm



TYPICAL RADIATION PATTERN in E-plane at 890 MHz

File: E-03-018

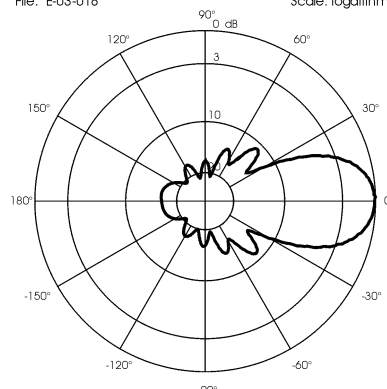
Scale: logarithmic



TYPICAL RADIATION PATTERN in H-plane at 890 MHz

File: E-03-018

Scale: logarithmic



TYPICAL GAIN DIAGRAM vs FREQUENCY

GAIN (dBi)

File: D-03-018

