

DIRECTIONAL Antenna for GSM / PCS / DECT / UMTS / WLAN

SPB-1.7 2.5-10 p/n 2110103.00

Electrical Data:

Type:	Planar Reflector
Frequency Range:	1710-2500 MHz
Impedance:	50 Unbalanced
Polarization:	Linear Vertical
Gain:	10 dBi
3 dB Beamwidth Vertical:	E-plane 53° at 2045 MHz
3 dB Beamwidth Horizontal:	H-plane 54° at 2045 MHz
Downtilt:	0°
Front to back ratio:	20 dB in bandwidth
V.S.W.R.:	1.5:1 from 1.7 to 2.17 GHz; 2.0:1 from 2.17 to 2.5 GHz
Max Power:	20 Watts (CW) at 50° C
Lightning protection:	DC-ground
Cable lenght / Type:	30 cm, other length on request / RG 58
Connector:	SMA-male or female, other type on request

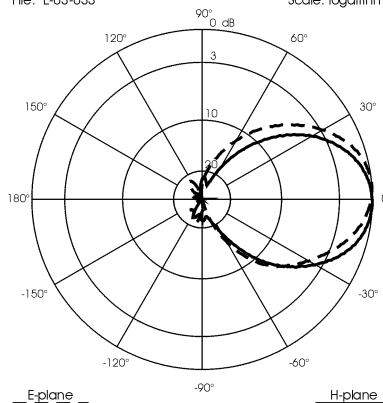
Mechanical Data:

Housing Materials:	PCB, Aluminium, ABS
Radome Material:	Grey ABS UV Stabilized
Wind Load / Resistance:	60 N at 150 Km/h / 180 Km/h
Wind Surface:	0.03 m ²
Dimensions (approx.):	170 x 170 x 50 mm without bracket
Weight (approx.):	650 gr
Operating Temperature:	-20° C to +80° C
Mounting Mast:	25-42 mm

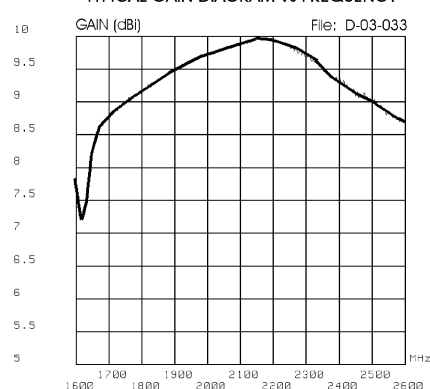


TYPICAL RADIATION PATTERN at 2045 MHz

File: E-03-033 Scale: logarithmic



TYPICAL GAIN DIAGRAM vs FREQUENCY



TYPICAL S.W.R. RESPONSE

