



Dual Polarization Antenna FR-A-5202

FR-A-5202 Antenna Specifications:

<u>Electrical</u>	
Frequency Range	4.9 – 6.0 GHz
Gain	16 dBi
VSWR, max.	1.7
Polarization	Dual $\pm 45^\circ$
3 dB Beamwidth, H-Plane, typ.	30°
3 dB Beamwidth, E-Plane, typ.	18°
Interport Isolation	25 dB
Side Lobes, max.	-10 dB
Cross Polarization, max.	-15 dB
Front to Back Ratio, max.	-25 dB
Lightning Protection	DC Grounded
Input Power, max.	35 Watt
Input Impedance	50 Ohm
Connector	2 × cab. 145 mm. conn. MCX
<u>Mechanical</u>	
Dimensions (HxWxD)	185 x 185 x 16 mm
Weight	0.6 kg
Reflector	Aluminum, Iridite Coating
Radome	UV Stabilized Polycarbonate
Mount	See Ordering Options
RoHS 2002/95/EC	Yes
<u>Environmental</u>	
Temperature Range	-40° C to +80° C (-40° F to +176° F)
Wind Speed (survival)	200 km/h (~125 mph)
Vibration and Mechanical Shock	4M3 per IEC 60721
Waterproofing	IP67 per IEC 60529
Flammability	UL 94V-2
Solar Radiation (32° North)	2 years of Natural Tests
Humidity	95% per ETSI EN 300
Sea Fog	2 years of Natural Tests
Ice and Snow (survival)	25 mm (1") Radial
Service Life	> 10 years
<u>Marketing P.N.</u>	
Antenna Model FR-A-5202	FR12020001