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Base Station Dual Polarized Antenna FR-A-1201

FR-A-1201 Antenna Specifications (Sector 90°; 1.75-1.90 GHz):

<u>Electrical</u>	
Frequency Range	1.75 – 1.90 GHz
Gain	~ 12+ dBi
VSWR, max.	1.6
Polarization	Dual, Ver. and Hor.
3 dB Beamwidth, H-Plane, typ.	~ 90°
3 dB Beamwidth, E-Plane, typ.	~ 30°
Interport Isolation	~ 25 dB
Side Lobes, max.	~ -12 dB
Cross Polarization, max.	~ -16 dB
Front to Back Ratio, max.	~ -30 dB
Lightning Protection	DC Grounded
Input Power, max.	35 Watt
Input Impedance	50 Ohm
Connector	N-Type, Female ×2
<u>Mechanical</u>	
Dimensions (HxWxD)	304.8 x 304.8 x 16.0 mm (12"x12"x0.63")
Weight	1.0 kg (2.2 lb)
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-1201	FR11020001