FG8963

Omnidirectional Antenna
896-940 MHz

TE Connectivity's fiberglass base station antennas are collinear designs enclosed in a high-density fiberglass, which is covered with a protective ultraviolet inhibiting coating.

The radiating elements are made from high efficiency copper and are carefully phased to provide maximum gain in the horizontal plane. The mounting sleeves are tuned to eliminate RF currents from the transmission line, resulting in a "cold" sleeve allowing great freedom in mounting. This high quality and well-focused beam provides the highest gain and best efficiency.

FEATURES AND BENEFITS

- Highly stable PC board matching network
- Superior quality design
- Special UV treated radome
- N-female industry standard connector
- 100% tested on a network analyzer

ELECTRICAL SPECIFICATIONS	
Operating Frequency (MHz)	896-940
VSWR – Max	<2.0:1
Gain (dBi)	5
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Half-Power Beamwidth (Elevation ° x Azimuth °)	70-360

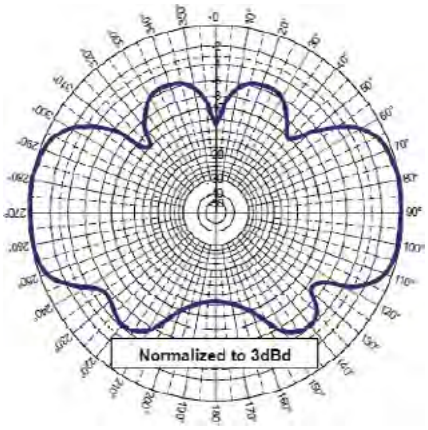
MECHANICAL SPECIFICATIONS	
Dimensions – diameter x height – cm (inches)	3.33 x 60.33 (1.31 x 23.75)
Weight – kg (lbs.)	<0.454 (< 1.0)
Mounting Information	FM2 Mounting Kit (sold separately)
Lightning Protection	Lightning Arrestor – LABH350NN (sold separately)

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature – °C (°F)	-40°C to +85°C
Rated Wind Velocity – km/hr (mph)	210 (125)
Rated Wind Velocity (with 0.5 in. radial ice) – km/hr (mph)	137 (85)
Lateral Thrust @ 125 mph – kg (lb.)	26 (57)
Wind Resistance – sq. kg (sq. ft.)	0.02008 (0.2161)
Material Substance Compliance	RoHS

CONFIGURATION

PART NUMBER	CONNECTOR
FG8963	N-female

ELEVATION PATTERN (Y, Z OR H-PLANE)



Lightning Arrestor LABH350NN (Sold Separately)

FM2 Mounting Kit (Sold separately)

TE TECHNICAL SUPPORT CENTER

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