



FG1480

Omnidirectional Antennas 148-152 MHz

FEATURES AND BENEFITS

- High performance
- Easy installation with optional FM2
- N Female industry standard connector
- Special UV-treated radome resists sun damage
- 100% tested on a network analyzer

ELECTRICAL SPECIFICATIONS	
Model Name	FG1480
Operating Frequency (MHz)	148-152
VSWR - Max	< 2.0:1
Gain (dBi)	0
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Elevation Plane 3 dB Beamwidth Port 1	120°
Azimuth Plane 3 dB Beamwidth Port 1	360°

MECHANICAL SPECIFICATIONS	
Dimensions - H x D - cm (inches)	185.4 x 3.3 (73.0 x 1.31)
Weight - kg (lbs.)	< 1.81 (< 4.0)
Cable Type	None
Mounting	FM2 mounting kit (sold separately)
Lightning Protection	LABH350NN (sold separately)

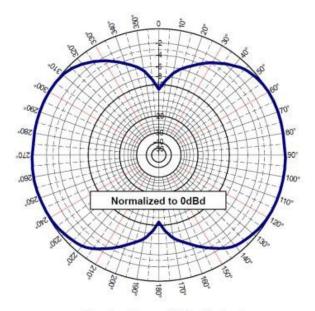




ENVIRONMENTAL SPECIFICATIONS	
Rated Wind Velocity - km/hr (mph)	210 (125)
Rated Wind Velocity (w/ 0.5" radial ice) - km/hr (mph)	137 (85)
Lateral Thrust @ 125 mph Wind Velocity - kg (lbs.)	26 (57)
Wind Resistance – sq. km (sq. ft.)	6.17 (.6641)
Material Substance Compliance	RoHS

DATA AND DEVICES / FG1480 2

RADIATION PATTERN



Elevation Pattern (Y, Z or H-plane)

TE TECHNICAL SUPPORT CENTER

USA: +1 (800) 522-6752 +1 (905) 475-6222 Canada: Mexico: +52 (0) 55-1106-0800 Latin/S. America: +54 (0) 11-4733-2200 Germany: +49 (0) 6251-133-1999 +44 (0) 800-267666 UK: +33 (0) 1-3420-8686 France: Netherlands: +31 (0) 73-6246-999 China: +86 (0) 400-820-6015

te.com

TE Connectivity, TE Connectivity (logo) and Every Connection Counts are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

TE warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations TE will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the TE product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

©2021 TE Connectivity. All Rights Reserved.

11/21 Original

