VHF EXPOSED DIPOLES







134-178 MHz

F-33029D-TM-1/2

The F-33029D-TM-1/2 is is a Wide Band Black Anodized Antenna. It is specifically designed for trunked Multicoupler such as X-pass systems. The 1/2 Wavelength dipole to mast spacing offers a bidirectional radiation pattern. The antenna is made of Aluminium 6061-T6.

This antenna is extremely rugged and is well suited for use in severe environmental conditions. This antenna is a Low Intermod design that incorporates a minimum of moveable joints in its construction and replaces standard castings with heavy duty welded joints. The F-33029D-TM-1/2 has internal cabling design and is not field adjustable.

• 1/4 wavelength dipole-to-mast spacing is also available for offset radiation pattern.

• 3/8 wave length dipole-to- mast spacing available for radiation pattern between the elliptic and the offset.

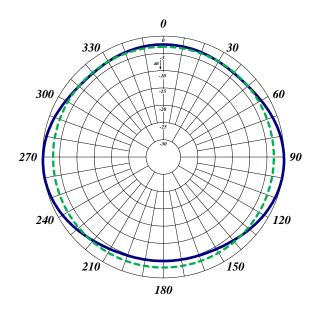
F-33029D-TM-1/2
138-174
8.0-8.5
4
36
Vertical
Bidirectional
450
50
DC Ground
-107 dBm (-150 dBc)
7/16 DIN male attached to end of 118 in (3000 mm) RG-214 Cable, 4.3/10 connector available upon request
F-33029D-TM-1/2
246 (6248)
42 (1067)
137 (62)
568 (258)
540 (2402)
3871 (5248)
11.4 (1.06)
4.5" (114 mm) O.D



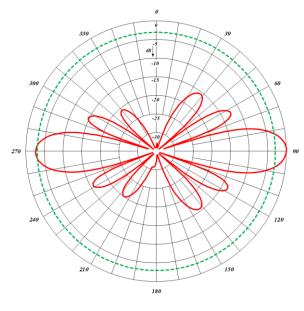


Tel: US 1.877.825.2007 / CAN 1.800.603.1454





Horizontal (Azimuth) Radiation Pattern



Vertical (Elevation) Radiation Pattern

These mechanical specifications were obtained using the requirements of CAN/CSA-S37-01 Standard "Antenna, Towers and Antenna-Supporting Structures"

Wind zone.Class D (1000 Pa)Ice ZoneClass III (40 mm)ReliabilityClass I (Importance factor 1)

Lateral thrust, torsional moment and bending moment are based on worst case conditions (non-factored loads)

