

Tactical Wideband Microwave Antennas APL Series, 1350-2700MHz

Product Description

The tactical microwave antenna APL-4T operates in the 1350-2700MHz frequency band and can be installed at the top of a vertically erected mast.

**Features/Benefits**

In addition to its radio-electrical performances, its main features are:

- Light weight and rugged design
- Ease of deployment and reduced drag
- Installation is quick and requires one operator only

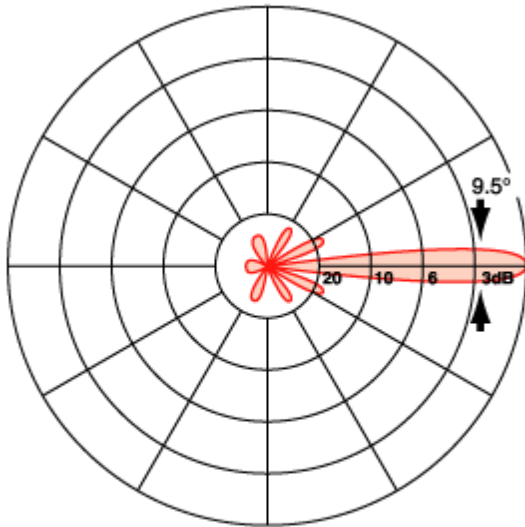
The aerial covers the full frequency range 1350-2700MHz and operates in linear polarization. The choice between horizontal and vertical polarization is achieved by the choice of orthogonal fittings at the rear of the antenna.

The parabolic reflector is illuminated by a primary feed which is fitted to the center of the assembly with a quick fastener system. The antenna assembly is protected by an extremely resistant coating of TAN X army green IR NATO 24X5

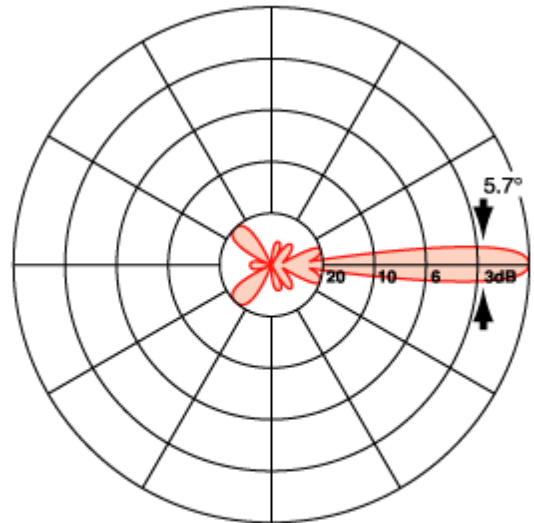
Technical Specifications

Product Line	Antenna, Tactical
Product Type	Microwave Antenna - Grid Parabolic
Frequency Range, MHz	1350 - 2700
Power Rating, kW	0.15
Impedance, ohms	50
Polarization	Horizontal; Vertical
Isotropic Gain, dBi	28
VSWR	<2:1
Half Power Beamwidth E-Plane, degrees	7
Half Power Beamwidth H-Plane, degrees	7
Input Connector	N type socket
Front to Back Ratio, dB	>30
Side Lobe (max), dB	>15 for 0 to 20 degrees, >25 for 20 to 115 degrees, >30 for 115 to 180 degrees
Cross Polarization, dB	>30
Weight, kg (lb)	14 (30.8)
Mounting (Standard), mm (in)	on 40mm(1.6) spigot (H or V)
Effective Area Front (full antenna), sq m (sq ft)	1.04 (11.20)
Material	Duralinox
Coating	TAN X
Color	Army green (IR NATO 24X5)

Notes**Other Documentation**



Vertical or Horizontal polarization
(H or E plane)
1350MHz Frequency



Vertical or Horizontal polarization
(H or E plane)
2600MHz Frequency

All information contained in the present datasheet is subject to confirmation at time of ordering