

Broadband Omni Directional Antenna

TECHNICAL DATA SHEET

APOD-V-5

The APOD-V-5 Omni directional antenna consists of two center fed folded dipoles stacked vertically. The antenna maintains constant gain and VSWR over its bandwidth of 20 MHz., making it highly suitable for single or multi-frequency systems. The center fed dipole ends and cable connections to the dipoles are sealed in epoxy at the end of the boom for protection against weather and imparting rigidity and strength to the dipole structure. Molded joints of phasing harness and N-Female antenna termination connector ensures complete waterproofing and many years of maintenance free operation.

Specifications:

Parameter	Specification
Frequency Range	118 – 137 MHz
Gain	5 dBi minimum for Stacked Antenna
Radiation Pattern	Omni Directional
Vertical Beam width	80°
VSWR	< 1:1.5
RF power handling capacity	500 W
Input Impedance	50 Ω Unbalanced
Polarization	Vertical
Input Termination	N-Female
Maximum Wind Speed	Withstand wind speed up to 170 KM/hr
Type	Folded Dipole Stacked Type suitable for Transmitters and Receivers Performance
Element	(12 to 13mm) dia X (1.5 to 1.7mm) wall aluminium alloy
Mounting Brackets and Hardware	Stainless steel or aluminium alloy

*Note: Specifications may vary as per the requirements



Antenna

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