

PHANT-512V
120-512 MHz Dipole Antenna

DATA SHEET
For
PHANT-512V



Technical Specifications

Features: The PHANT-512V Dipole Antenna is designed to provide wideband Omni-Directional radio signals from 120 to 512 MHz frequency band. The Universal Mounting Base is welded at the end of the Antenna which permits to use the Antenna for mobile application or vehicle mount applications. The Antenna sealed inside make it weatherproof. This Dipole Antenna is particular suitable for transmission, reception or monitoring purpose.

Constructions: The PHANT-512V assembled Dipole Antenna outer-most dimensions are 160 cm long and 14 cm wide including the Universal Base. The Dipole Antenna Base operates at D.C. ground with low resistance discharge path for protection against lightning and immunity to noise. The Antenna structure built from fiberglass material for long durability.

Electrical Specifications	
Frequency Range	120-512 MHz
Gain	0 to 3 dBi
Bandwidth	>390 MHz
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-Directional
VSWR (Typical)	3.5:1
RF Power Handling Capacity	100 Watts
Input Termination (Base)	N-Male
Lightning Protection	Direct Ground

Mechanical Specification:	
Materials	Fiberglass & Acetal (POM)
Mounting Hardware -Materials	Marine Grade Stainless Steel
Wind Rating	200 Km/Hr.
Overall Length	1.45 Meters
Internal - Materials - Cross Section - Outer Diameter	Brass Round Tube 19 mm
External - Materials - Cross Section - Outer Diameter	Fiberglass & Acetal (POM) Round Tube 25-30mm
Insulator Material	Teflon & Nylon
Gross Weight	1900 (Antenna) + 1500 (Base) Grams

Environmental Specifications:	
Operating Temperature	(-) 30 to +70 Degrees Celsius
Storage Temperature	(-) 40 to +80 Degrees Celsius
Humidity	0 to 95% RH

* Ver. 1.00.02.16

* Specifications are subject to change without prior notice