

PHANT20-520

20-520 MHz Manpack ROD Antenna

DATA SHEET
For
PHANT20-520



Technical Specifications

Features: The PHANT20-520 rod antenna designed to provide wideband Omni-Directional radio signals transmission for 20 to 520 MHz frequency band. The antenna built with flexible tape radiator and a gooseneck make it suitable for mobile application. The antenna sealed inside make it weatherproof. This antenna is particular suitable for transmission, reception or monitoring purpose.

Constructions: The PHANT20-520 assembled with flexible tape and a gooseneck, outer-most dimensions are 1190 mm long and 46 mm wide including the base. The PHANT20-520 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 Stainless Steel material for long durability.

Electrical Specifications	
Frequency Range	20-520 MHz
Gain	Measured Pattern on Request
Bandwidth	500 MHz
Polarization	Vertical
Input Impedance	50Ω
Radiation Pattern	Omni-Directional
VSWR	3.5:1
RF Power Handling Capacity	30 Watts RMS
Input Termination	N-Male
Lightning Protection	Direct Ground

Mechanical Specifications	
Materials	Stainless Steel & Acetal (POM)
Mounting Hardware -Materials	Marine Grade Stainless Steel
Wind Rating	200 Km/Hr.
Overall Length	1190 mm
Base	Ø 46 mm
External -Materials - Cross Section	Brass & POM Flexible Tape
Insulator Material	Acetal (POM)
Gross Weight	410 g

Environmental Specifications	
Operating Temperature	-30 to +70 Degrees Celsius
Storage Temperature	-40 to +80 Degrees Celsius
Humidity	0 to 95% R.H. – Non-Condensing

* Ver. 1.00.01.16

* Specifications are subject to change without prior notice