



Omni-Directional Jammer Discone Antenna

(Model: AE-JD-1018)

Description

Design Features

The AE-JD-1018 Jammer Discone Antenna is a rugged all weather model, enclosed in an ABS radome, uses all ultra corrosion resistant aluminium alloy and does not require any field tuning or adjustments. The compact size of the omni-directional antenna allows easy handling, shipping and is highly suitable for transmitting & receiving without having the requirement of multiple antennas. The cylindrical enclosure is used for low wind loading and for minimal effect of ice formation on the antenna operation as well as providing an aesthetically pleasing appearance.



Constructions

The jammer discone antenna is supplied complete in assembled condition. This discone antenna has smooth VSWR and constant Gain over the 1000 - 1800 MHz frequency band. The AE-JD-1018 jammer discone antenna consists of ultra corrosion resistant radiating elements and is enclosed in ABS housing. The ABS has excellent transparency for radio signals and is mechanically robust to support extra mechanical strength to the discone antenna.

Mounting

The following three options are available to choose from:

1. Roof-top hole mounting on the vehicle which requires a 16mm hole through the roof of the vehicle with N-Female termination.
2. Man-pack mounting; In this you can mount the antenna directly on the equipment with M-male termination.
3. Antenna can be supplied with pole mounting hardware; In this the mounting hardware is suitable for mounting on any outer diameter pipe between 32mm to 51mm.



Specifications

Order No: AE-JD-1018

Electrical Specifications

Frequency Range	1000-1800 MHz
Gain	2.5 dBi
Bandwidth	Entire Band
Polarisation	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-Directional
Vertical Beam-width - Half Power Points	78°
VSWR	2:1
RF Power Handling Capacity	500W
Input Termination	N Female

Mechanical Specifications

Wind Rating	200 km/h
Mounting Type	Roof Hole, manpack or side pole
Overall Length	180 mm
Shipping Length	200 mm
Support Pipe Materials	Aluminium
Insulator Materials	Teflon & Nylon
Enclosure Materials	ABS
Radiating Elements & Support Pipe - Materials	6063T6 Aluminium Alloy
Gross Weight	1.5 kg

Environmental Specifications

Operating Temperature	-30°C to +70°C
Storage Temperature	-40°C to +80°C
Humidity	0 to 95% RH