

DPV-95

Dual Band VHF/UHF Vehicle Antenna Omni 30-108/225-400 MHz



PRODUCT DESCRIPTION

Model Number: **DPV-95**

The DPV-95 contains both the VHF and UHF dipoles of the DPV-96 and also includes the VHF hybrid and antenna simulator of the DPV-93. This antenna has been designed for vehicular mounting, has been tested to severe environmental requirements, and is able to handle unique cosite system problems.

ELECTRICAL SPECIFICATIONS

Frequency Range:	VHF – 30 to 108 MHz , UHF – 225-400 MHz
Gain:	VHF -7 dBi , UHF 0 dBi
Azimuth Coverage:	+/- .5
Power Capability:	VHF – 250 watts , UHF – 50 watts
Input Impedance:	50 Ohms
Isolation, V-V:	-20 dB
Isolation, V-U:	-30 dB
VSWR:	VHF – 3:1 , UHF – 2.5:1

MECHANICAL SPECIFICATIONS

Size:	14.77 ft, Height
Weight:	37.5 lbs
Finish:	CARC Green 383
Input Connector:	VHF 2 each Type “N” , UHF 1 each “TNC”
MTBF:	>30,000 Hours
Tie-Down:	60 degrees from vertical

ENVIRONMENTAL SPECIFICATIONS

Altitude:	Method 500.2 Procedure I, II and III
High Temp:	Method 501.2, 63 degrees C non-operating and 48 degrees C operating
Low Temp:	Method 502.2, -51 degrees C non-operating and -40 degrees C operating
Temp Shock:	Method 503.2, -51 degrees C to 48 degrees C, power off condition
Solar Radiation:	Method 505.2, Procedure I, Hot-Dry temperature conditions
Rain:	Method 506.2, Procedure III
Humidity:	Method 507.2, Procedure III
Fungus:	Method 508.2, Procedure I
Salt Fog:	Method 509.2, Procedure I
Sand & Dust:	Method 510.2, Procedure I and II
Immersion:	Method 512.2, Procedure I, 2 hours at a 1.0 meter depth
Vibration:	Method 514.2, Categories 1, 3 and 8
Shock:	Method 516.2, Procedures I, IV, V and VI
Icing:	Method 521.2, 6 mm and 13 mm thick ice
Exposure to Power Lines:	13.2 Kv