VHF Band III Dipole Panel Antennas

PTV/N
PTV/16

These VHF directional wide-band aerials, PTV model, are designed for horizontal or vertical polarization in the transmission for TV systems. The antenna is composed of two stainless steel dipoles and a reflecting grid realized with hot dip galvanized steel.
The PTV model is suitable for the VHF band and can operate in low, medium and high power stacked-array systems, especially for square and round transmitting towers. The PTV antenna can be disassembled to reduce freighting costs.

Code	Model	Description
F795.01	PTV/N	VHF Panel with 2 Galvanized steel dipoles, N type connector
F795	PTV/16	VHF Panel with 2 Galvanized steel dipoles, 7/16 type connector

SPECIFICATIONS	PTV
Rf output power	1000 W
Input Connector	N – 7/16 – 7/8
Polarization	Vertical (or Horizontal)
Weight	25 Kg
Gain (Referred to Half-Wave Dipole)	7.5 dB
H Plane - V Plane	57 ° - 73 °
Max Wind Velocity	225 Km/h
Wind Load (with speed at 150Km/h)	140 Kgs.
Wind Surface	0,65 SQM
Frequency Range	174 ÷ 225 MHz
Input Impedance	50 Ohm
VSWR	≤ 1.4:1
Internal parts	Silver-plated traded copper and brass
External parts	Hot Galvanized steel
Mounting	From 60 to 120 mm diam.
Dimensions (W x H X D) mm	1250 x 850 x 400

UHF Band IV-V Panel Antennas

PTU/N
PTU/16
PTU/F

These UHF directional wide-band aerials are designed for horizontal or vertical polarization in the transmission of TV systems. The antenna is composed of eight half-wave dipoles with panel reflector and protection radome. The PTU model is suitable for the entire UHF band and can operate in low, medium or high power stacked-array systems, especially for square and round transmitting towers. As a standard, the connector is 7/16 (N female or EIA 7/8" Flange on request). The PTU antenna is supplied with a standard mounting system and can be disassembled to reduce freighting costs.

Code	Model	Description
F790.02	PTU/N	UHF Panel with 8 dipole half wave, N type connector
F790	PTU/16	UHF Panel with 8 dipole half wave, 7/16 type connector
F790.01	PTU/F	UHF Panel with 8 dipole half wave, 7/8 type connector

SPECIFICATIONS	PTU
Rf output power	1000 - 2500 W
Input Connector	N – 7/16 – 7/8
Polarization	Horizontal
Weight	14 Kg
Gain (Referred to Half-Wave Dipole)	11 dB
H Plane - V Plane	60 ° - 25 °
Max Wind Velocity	225 Km/h
Wind Load (with speed at 150Km/h)	89 Kgs.
Wind Surface	0,65 SQM
Frequency Range	470 ÷ 860 MHz
Input Impedance	50 Ohm
VSWR	≤ 1.13:1
Internal parts	Silver-plated traded copper and brass
External parts	Hot Galvanized steel
Mounting	From 60 to 120 mm diam.
Dimensions (W x H X D) mm	450 x 1000 x 250