

MULTI BAND PANEL ANTENNA (PENTA)

2x BAND 900 + 3x BROADBAND 1710 – 2170 MHz

PT2D3-800TV

2 x 870 - 960	3 X 1710 - 2170		
870 - 960	1710-1880	1850-1990	1920-2170
H60° V14°	H69° V7°	H65° V7°	H60° V6.5°
Variable Tilt 0° - 10°	Variable Tilt 2° - 12°	Variable Tilt 2° - 12°	Variable Tilt 2° - 12°

ELECTRICAL SPECIFICATIONS

Antenna Model	PT2D3-800TV			
	± 45°			
Polarization	± 45°			
Frequency	870-960	1710-1880	1850-1990	1920-2170
Horizontal Beamwidth	60°	69°	65°	60°
Vertical Beamwidth	14°	7°	7°	6.5°
Gain (dBi)				
Bottom antenna	14.5	16.6	16.6	17
Top antenna	14.1	16.5	16.5	16.6
Vertical Electrical Tilt	VARIABLE 0°-10°	VARIABLE 2°-12°	VARIABLE 2°-12°	VARIABLE 2°-12°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	T0 T5 T10 15 16 17	T2 T7 T12 17 16 15	T2 T7 T12 20 18.5 17	T2 T7 T12 18 17 17
Front-to-Back Ratio @ 180° ± 20° (dB)	>22	>20	>22.5	>23.5
VSWR	< 1.4 : 1	< 1.4 : 1	< 1.4 : 1	< 1.4 : 1
Cross Polar Ratio @ -3° (dB) Typically	>13	>15	>15	>15
Isolation between Ports (dB)	> 30	> 30	>30	>30
Interband Isolation (dB)	> 40 (870 – 960 // 1710 - 2170) > 30 (1710 – 2170 // 1710 – 2170)			
Maximum Power Per Input (W)	500	250		
Intermodulation @ 43 dBm (dBc)	- 150			
Impedance (Ω)	50			



MECHANICAL SPECIFICATIONS

Connectors	10 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed km/h (mph)	200 (125)
Front Windload N @ 160 km/h (lbs @100 mph)	1400 (315)
Lateral Windload N @ 160 km/h (lbs @100 mph)	330 (74)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	41 (90)
Antenna Dimension (mm) H X D	2615 X 350 X 145 (103 X 14 X 6)

