

# MULTI BAND PANEL ANTENNA (HEXA)

## 2x BAND 900 + 4x BROADBAND 1710 – 2170 MHz

### HX2D3-800TV

2 X 870 – 960	4 X 1710 - 2170		
870 - 960	1710-1880	1850-1990	1920-2170
H60° V14°	H69° V7°	H65° V6.7°	H61° V6.5°
Variable Tilt 0° - 10°	Variable Tilt 2° - 12°	Variable Tilt 2° - 12°	Variable Tilt 2° - 12°

#### ELECTRICAL SPECIFICATIONS

2 X BAND 900

4 X BROADBAND 1710-2170 MHz

Antenna Model	HX2D3-800TV			
Polarization	± 45°			
Frequency	870 - 960	1710-1880	1850-1990	1920-2170
Horizontal Beamwidth	60°	69	65°	61°
Vertical Beamwidth	14°	7°	6.7°	6.5°
Gain (dBi)				
Bottom antennas	14.7	16.7	16.6	16.8
Top antennas	14.4	16.3	16.3	16.5
Vertical Electrical Tilt	VARIABLE 0°-10°	VARIABLE 2°-12°	VARIABLE 2°-12°	VARIABLE 2°-12°
Upper Sidelobe Suppression for the 1 <sup>st</sup> lobe above main beam (dB)	<b>T3 T6 T10</b> 15 16 17	<b>T2 T7 T12</b> 16 20 18	<b>T2 T7 T12</b> 16 20 17	<b>T2 T7 T12</b> 15 17 16
Front-to-Back Ratio @ 180° ± 20° (dB)	22	22	22	23
VSWR	< 1.5 : 1	< 1.5 : 1	< 1.5 : 1	< 1.5 : 1
Cross Polar Ratio @ -3° (dB) <i>Typically</i>	>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	12 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed km/h (mph)	200 (125)
Front Windload N @ 160 km/h (lbs @100 mph)	1430 (322)
Lateral Windload N @ 160 km/h (lbs @100 mph)	335 (75)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	58 (128)
Antenna Dimension mm (in) H X W X D	2665 X 350 X 145 (104 X 14 X 6)

