

# 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)	14.7			16.7			16.6			16.8		
Bottom antennas	14.4			16.3			16.3			16.5		
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</b>	<b>T6</b>	<b>T10</b>	<b>T2</b>	<b>T7</b>	<b>T12</b>	<b>T2</b>	<b>T7</b>	<b>T12</b>	<b>T2</b>	<b>T7</b>	<b>T12</b>
	15	16	17	16	20	18	16	20	17	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			250			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)	

