

MULTI BAND PANEL ANTENNA (QUAD)

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

QB2D3-800TV

2 x 870 - 960	2 X 1710 - 2170		
870 - 960	1710-1880	1850-1990	1920-2170
H60° V14°	H68° V7.1°	H64° V6.7°	H61° V6.5°
Variable Tilt 0° - 10°	Variable Tilt 2° - 12°	Variable Tilt 2° - 12°	Variable Tilt 2° - 12°

ELECTRICAL SPECIFICATIONS

Antenna Model	QB2D3-800TV			
	± 45°			
Polarization	± 45°			
Frequency	870-960	1710-1880	1850-1990	1920-2170
Horizontal Beamwidth	60°	68°	64°	61°
Vertical Beamwidth	14°	7.1°	6.7°	6.5°
Gain (dBi)	15			
Top antenna	14.8	16.8	16.8	17
Bottom antenna				
Vertical Electrical Tilt	VARIABLE 0°-10°		VARIABLE 2°-12°	
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	T0 T5 T10 15 16.5 18	T2 T7 T12 15 20 16	T2 T7 T12 15.5 20 16	T2 T7 T12 14 18.5 15
Front-to-Back Ratio @ 180° ± 20° (dB)	23		23	
VSWR	<1.5:1		<1.5:1	
Cross Polar Ratio @ -3° (dB) Typically	>14		>16	
Isolation between Ports (dB)	> 30		> 30	
Interband Isolation (dB)	> 40 (870 - 960 // 1710 - 2170) > 31 (1710 - 2170 // 1710 - 2170)			
Maximum Power Per Input (W)	500		250	
Intermodulation @ 43 dBm (dBc)	< - 150			
Impedance (Ω)	50			



MECHANICAL SPECIFICATIONS

Connectors	8 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)	39 (86)
Antenna Dimension mm (in) H X W X D	2615 X 350 X 145 (103 X 14 X 6)

