

MULTI BAND PANEL ANTENNA (QUAD)

2x BAND 850 + 2x BROADBAND 1710 – 2170 MHz

TGA2D3-800TV-EX

2 X 824 - 896	2 X 1710 - 2170		
824 - 896	1710-1880	1850-1990	1920-2170
H69° V14.5°	H65° V6.6°	H64° V6.6°	H63° V6.5°
Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°

ELECTRICAL SPECIFICATIONS

2 X BAND 850

2 X BROADBAND 1710-2170 MHz

Antenna Model	TGA2D3-800TV-EX											
Polarization	+/- 45°											
	2 X (824 – 896)			2 X (1710 – 2170)								
Frequency	824 - 896	1710 - 1880	1850 - 1990	1920 - 2170								
Horizontal Beamwidth	69°	65°	64°	63°								
Vertical Beamwidth	14.5°	6.6°	6.6°	6.5°								
Gain (dBi)	TOP	T5	T10	T0	T5	T10	T0	T5	T10			
	BOTTOM	13.6	13.5	13.3	16.5	16.7	16.6	16.3	16.6	16.1	16.6	16.5
Vertical Electrical Tilt	VARIABLE 0°-10°			VARIABLE 0°-10°			VARIABLE 0°-10°			VARIABLE 0°-10°		
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	TO T5 T10 19 19 19			TO T5 T10 19 19 17			TO T5 T10 19 19 17			TO T5 T10 19 19 17		
Front-to-Back Ratio @ 180° ± 20° (dB)	> 28			> 28			> 28			> 28		
VSWR	< 1.5 : 1			< 1.5 : 1			< 1.5 : 1			< 1.5 : 1		
Cross Polar Ratio @ ± 60° (dB) Typically	> 10			> 10			> 10			> 10		
Isolation between Ports (dB)	> 30			> 30			> 30			> 30		
Interband Isolation (dB)	> 40 (824-896//1710-2170) > 30 (1710-2170//1710-2170)											
Maximum Power Per Input (W)	500			250								
Intermodulation (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)	40 (88)
Antenna Dimension mm (in) H X W X D	2615 X 350 X 145 (103 X 14 X 6)

