

MULTI BAND PANEL ANTENNA (DUAL) BAND 850 + BROADBAND 1710 – 2170 MHz

TGAD3-600TV-EX

824 - 896	1710 - 2170		
824 - 896	1710-1880	1850-1990	1920-2170
H67° V11°	H65° V6.6°	H64° V6.6°	H63° V6.4°
Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°

ELECTRICAL SPECIFICATIONS

BAND 850

BROADBAND 1710-2170 MHz

Antenna Model	TGAD3-600TV-EX			
Polarization	± 45°			
Frequency	824-896			1710-2170
	824 - 896	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	67°	65°	64°	63°
Vertical Beamwidth	11°	6.6°	6.6°	6.4°
Gain (dBi)	T0 T5 T10	T0 T5 T10	T0 T5 T10	T0 T4 T8
	15 15 14.6	17.2 17.2 17	17.1 17.2 16.7	17.5 17 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)	T0 T5 T10	T0 T5 T10	T0 T5 T10	T0 T5 T10
	18 17 16	20 17 17	19 19 17	17 17 17
Front-to-Back Ratio @ 180° ± 20° (dB)	> 28	> 25	> 26	> 26
VSWR	< 1.5 : 1	< 1.5 : 1	< 1.5 : 1	< 1.5 : 1
Cross Polar Ratio @ ± 60° (dB) <i>Typically</i>	> 8	> 10	> 10	> 8
Isolation between Ports (dB)	> 30	> 30	> 30	> 30
Interband Isolation (dB)	> 40 (824-896//1710-2170)			
Maximum Power Per Input (W)	500	250		
Intermodulation (dBc)	< - 150			
Impedance (Ω)	50			



MECHANICAL SPECIFICATIONS

Connectors	4 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed km/h (mph)	200 (125)
Front Windload N @ 160 km/h (lbs @ 100 mph)	1050 (236)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	260 (60)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	28 (62)
Antenna Dimension mm (in) H X W X D	2000 x 350 x 145 (78 X 14 X 6)

