

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

## TGAD3-200TV

790 – 896	1710 - 2170		
790- 896	1710 - 1880	1850 - 1990	1920 - 2170
H69° V25°	H68° V13°	H67° V12.5°	H65° V12°
Variable Tilt 5° - 25°	Variable Tilt 0° - 16°	Variable Tilt 0° - 16°	Variable Tilt 0° - 16°

### ELECTRICAL SPECIFICATIONS

BAND 800+850

BROADBAND 1710-2170 MHz

Antenna Model	TGAD3-200TV			
Polarization	± 45°			
Frequency	806-896		1710-2170	
	806 - 896	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	69°	68°	67°	65°
Vertical Beamwidth	25°	13°	12.5°	12°
Gain (dBi)	<b>T5 T25</b> 12.5 11.2	<b>T0 T16</b> 15 14.3	<b>T0 T16</b> 15.2 14.5	<b>T0 T16</b> 15.3 15
Vertical Electrical Tilt	VARIABLE 5°-25°	VARIABLE 0°-16°	VARIABLE 0°-16°	VARIABLE 0°-16°
Upper Sidelobe Suppression for the 1 <sup>st</sup> lobe above main beam (dB)	<b>T5 T25</b> 13 10	<b>T0 T16</b> 16.5 15	<b>T0 T16</b> 16 15.2	<b>T0 T16</b> 16.3 14.8
Front-to-Back Ratio @ 180° ± 20° (dB)	> 25	> 25	> 25	> 25
VSWR	< 1.5 : 1	< 1.4 : 1	< 1.4 : 1	< 1.4 : 1
Cross Polar Ratio @ ± 60° (dB) <i>Typically</i>	> 10	> 10	> 10	> 10
Isolation between Ports (dB)	> 30	> 30	> 30	> 30
Interband Isolation (dB)	> 35 (790-896//1710-2170)			
Maximum Power Per Input (W)	300	250		
Intermodulation (dBc)	< - 150			
Impedance (Ω)	50			



### MECHANICAL SPECIFICATIONS

Connectors	4 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed	km/h (mph)
Front Windload	200 (125)
N @ 160 km/h	
(lbs @ 100 mph)	390 (88)
Lateral Windload	
N @ 160 km/h	150 (34)
(lbs @ 100 mph)	
Radome Color	Grey, paintable (also available without radome)
Humidity	100%
Antenna Weight	kg (lbs)
	13 (28)
Antenna Dimension	
mm (in) H X W X D	775 x 320 x 145 (30 X 12.4 X 5.6)

