

TWO IN A BOX PANEL ANTENNA

BAND 806 – 896 MHz + BROADBAND 1710 – 2170 MHz

TGA2D3-200TV-AV EX

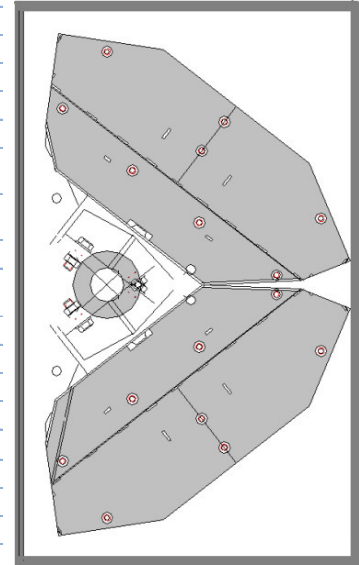
806 – 896	1710 - 2170		
806 - 896	1710 - 1880	1850 - 1990	1920 - 2170
H69° V25°	H68° V13°	H67° V12.5°	H65° V12°
Variable Tilt 5° - 20°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°

ELECTRICAL SPECIFICATIONS

BAND 850

BROADBAND 1710-2170 MHz

Antenna Model	TGA2D3-200TV-AV EX			
Polarization	± 45°			
Frequency	2 x (806-896)		2 x (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)	T5 T25 12.5 11.2	T0 T16 15 14.3	T0 T16 15.2 14.5	T0 T16 15.3 15
Vertical Electrical Tilt	VARIABLE 5°-25°	VARIABLE 0°-16°	VARIABLE 0°-16°	VARIABLE 0°-16°
Variable Azimuth	120° to 104° between panels			
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	T5 T25 12.5 10	T0 T16 13 11	T0 T16 13 11	T0 T16 13 11
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 (806-896//1710-2170)			
Maximum Power Per Input (W)	300	250		
Intermodulation (dBc)	< - 150			
Impedance (Ω)	50			



MECHANICAL SPECIFICATIONS

Connectors	2 x (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)	705 (158)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	320 (72)
Radome Color	Grey, paintable (also available without radome)
Humidity	100%
Antenna Weight kg (lbs)	16 (35)
Antenna Dimension mm (in) H X W X D	800 x 500 x 300 (31 X 20 X 12)

