

SINGLE BAND PANEL ANTENNA

BROADBAND 1710 – 2170 MHz

MGD1-800TV

1710 - 2170		
1710-1880	1850-1990	1920-2170
H38° V7°	H35° V6.7°	H32° V6.4°
Variable Tilt 2° - 12°	Variable Tilt 2° - 12°	Variable Tilt 2° - 12°

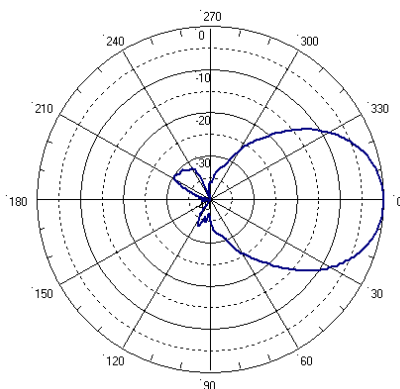
ELECTRICAL SPECIFICATIONS

BROADBAND 1710-2170 MHz

Antenna Model	MGD1-800TV		
Polarization	± 45°		
Frequency	1710-2170		
	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	38°	35°	32°
Vertical Beamwidth	7°	6.7°	6.4°
Gain (dBi)	20.1	21.2	21.3
Vertical Electrical Tilt	VARIABLE 2°-12°	VARIABLE 2°-12°	VARIABLE 2°-12°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	17	17	17
Front-to-Back Ratio @ 180° ± 20° (dB)	> 30	> 30	> 30
VSWR	< 1.4 : 1	< 1.4 : 1	< 1.4 : 1
Cross Polar Ratio @ ± 60° (dB)	> 10	> 10	> 10
Isolation between Ports (dB)	> 30	> 30	> 30
Maximum Power Per Input (W)	250		
Intermodulation (dBc)	< - 150		
Impedance (Ω)	50		

MECHANICAL SPECIFICATIONS

Connectors	2 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed km/h (mph)	200 (125)
Front Windload N @ 160 km/h (lbs @ 100 mph)	620 (140)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	120 (30)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	16 (35)
Antenna Dimension mm (in) H X W X D	1340 X 300 X 90 (53 X 11 X 4)



H&V Pattern

