

SINGLE BAND PANEL ANTENNA

BROADBAND 1710 – 2170 MHz

MGD1-800TX

1710 - 2170		
1710-1880	1850-1990	1920-2170
H29° V7.1°	H27° V6.8°	H26° V6.2°
Fixed Tilt 0°,2°,4°,6°	Fixed Tilt 0°,2°,4°,6°	Fixed Tilt 0°,2°,4°,6°

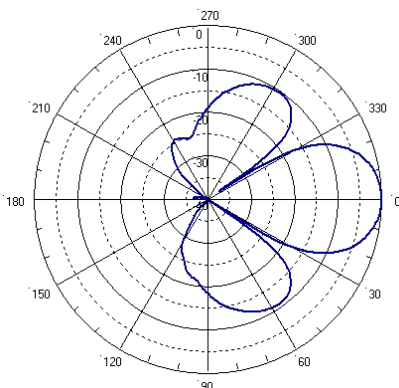
ELECTRICAL SPECIFICATIONS

BROADBAND 1710-2170 MHz

Antenna Model	MGD1-800TX		
Polarization	± 45°		
Frequency	1710-2170		
	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	29°	27°	26°
Vertical Beamwidth	7.1°	6.8°	6.2°
Gain (dBi)	20.7	21.2	21.5
Vertical Electrical Tilt	FIXED 0°,2°,4°,6°	FIXED 0°,2°,4°,6°	FIXED 0°,2°,4°,6°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	20	20	20
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)	13 (28)
Antenna Dimension mm (in) H X W X D	1340 X 300 X 90 (53 X 11 X 4)



H&V Pattern

