

SINGLE BAND PANEL ANTENNA

BROADBAND 1710 – 2170 MHz

MGD3-800TV

1710 - 2170		
1710-1880	1850-1990	1920-2170
H67° V6.8°	H65° V6.6°	H63° V6.3°
Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°

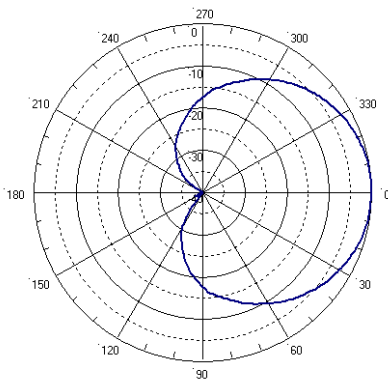
ELECTRICAL SPECIFICATIONS

BROADBAND 1710-2170 MHz

Antenna Model	MGD3-800TV		
Polarization	± 45°		
Frequency	1710-2170		
	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	67°	65°	63°
Vertical Beamwidth	6.8°	6.6°	6.3°
Gain (dBi)	17.6	18	18.5
Vertical Electrical Tilt	VARIABLE 0°-10°	VARIABLE 0°-10°	VARIABLE 0°-10°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	18	18	18
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	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)	320 (72)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	170 (40)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	8 (17)
Antenna Dimension mm (in) H X W X D	1340 X 160 X 90 (53 X 6 X 4)



H&V Pattern

