

SINGLE BAND PANEL ANTENNA BROADBAND 1710 – 2170 MHz

MGD3-400TV

1710 - 2170		
1710-1880	1850-1990	1920-2170
H69° V14°	H66° V13°	H62° V12.5°
Variable Tilt 0° - 16°	Variable Tilt 0° - 16°	Variable Tilt 0° - 16°

ELECTRICAL SPECIFICATIONS

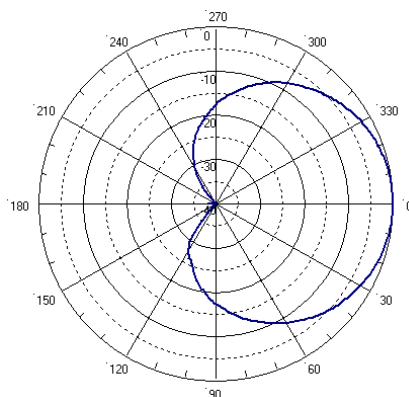
BROADBAND 1710-2170 MHz

Antenna Model	MGD3-400TV		
Polarization	± 45°		
Frequency	1710-2170		
	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	69°	66°	62°
Vertical Beamwidth	14°	13°	12.5°
Gain (dBi)	14.7	15	15.5
Vertical Electrical Tilt	VARIABLE 0°-16°	VARIABLE 0°-16°	VARIABLE 0°-16°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	17	17	17
Front-to-Back Ratio @ 180° ± 20° (dB)	> 30	> 30	> 28
VSWR	< 1.4 : 1	< 1.4 : 1	< 1.4 : 1
Cross Polar Ratio @ ± 60° (dB)	> 10	> 10	> 10
Isolation Between Ports	> 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)	155 (35)	
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	75 (17)	
Radome Color	Grey, paintable	
Humidity	100%	
Antenna Weight kg (lbs)	5 (11)	
Antenna Dimension mm (in) H X W X D	690 X 160 X 90 (27 X 6 X 4)	



H&V Pattern

