

SINGLE BAND PANEL ANTENNA BROADBAND 1710 – 2170 MHz

MGD3-400T

1710 - 2170		
1710-1880	1850-1990	1920-2170
H69° V16.6°	H66° V15.8°	H63° V14.1°
Fixed Tilt 0°, 2°, 4°, 6°	Fixed Tilt 0°, 2°, 4°, 6°	Fixed Tilt 0°, 2°, 4°, 6°

ELECTRICAL SPECIFICATIONS

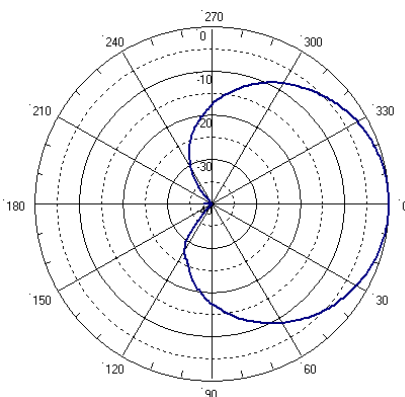
BROADBAND 1710-2170 MHz

Antenna Model	MGD3-400TX		
Polarization	±45°		
Frequency	1710-2170		
	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	69°	66°	63°
Vertical Beamwidth	16.6°	15.8°	14.1°
Gain (dBi)	14.5	14.6	15
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)	14	14	14
Front-to-Back Ratio /Cpol @ 180° ± 20° (dB)	> 30	> 30	> 30
VSWR	< 1.4 : 1	< 1.4 : 1	< 1.4 : 1
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)	125 (28)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	60 (14)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	4 (9)
Antenna Dimension mm (in) H X W X D	560 X 160 X 90 (22 X 6 X 4)



H&V Pattern

