

SINGLE BAND PANEL ANTENNA

BROADBAND 1710 – 2170 MHz

MGV1-800TX

1710 - 2170		
1710-1880	1850-1990	1920-2170
H29° V7.2°	H27° V6.7°	H26° V6.4°
Fixed Tilt 0°, 2°, 4°, 6°	Fixed Tilt 0°, 2°, 4°, 6°	Fixed Tilt 0°, 2°, 4°, 6°

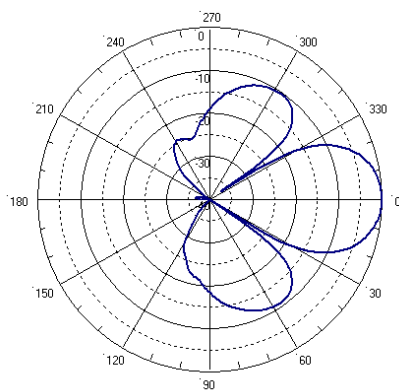
ELECTRICAL SPECIFICATIONS

BROADBAND 1710-2170 MHz

Antenna Model	MGV1-800TX		
Polarization	Vertical		
Frequency	1710-2170		
	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	29°	27°	26°
Vertical Beamwidth	7.2°	6.7°	6.4°
Gain (dBi)	20.7	21	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	> 29	> 29
VSWR	< 1.4 : 1	< 1.4 : 1	< 1.4 : 1
Maximum Power Per Input (W)	250		
Intermodulation (dBc)	< - 150		
Impedance (Ω)	50		

MECHANICAL SPECIFICATIONS

Connectors	1 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

