

HIGH BAND SIDE BY SIDE PANEL ANTENNA

2x BROADBAND 1710 - 2170 MHz

BGD3-1000TV

2 X 1710 - 2170		
1710-1880	1850-1990	1920-2170
H64° V4.8°	H62° V4.5°	H60° V4.3°
Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°

ELECTRICAL SPECIFICATIONS

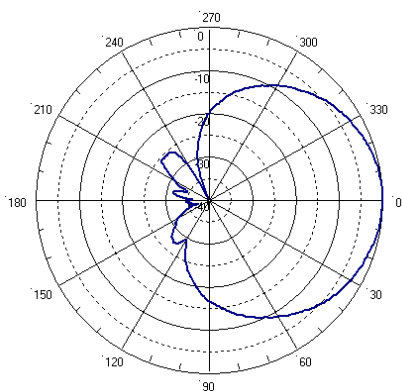
2 X BROADBAND 1710-2170 MHz

Antenna Model	BGD3-1000TV		
Polarization	± 45°		
Frequency	2 X (1710 – 2170)		
	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	64°	62°	60°
Vertical Beamwidth	4.8°	4.5°	4.3°
Gain (dBi)	18.6	19.1	20.2
Vertical Electrical Tilt	VARIABLE 0°-10°	VARIABLE 0°-10°	VARIABLE 0°-10°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	16	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) <i>Typically</i>	> 10	> 10	> 10
Isolation Between Ports (dB)	> 30	> 30	> 30
Interband Isolation (dB)	> 30 (1710-2170//1710-2170)		
Maximum Power Per Input (W)	250		
Intermodulation (dBc)	< - 150		
Impedance (Ω)	50		

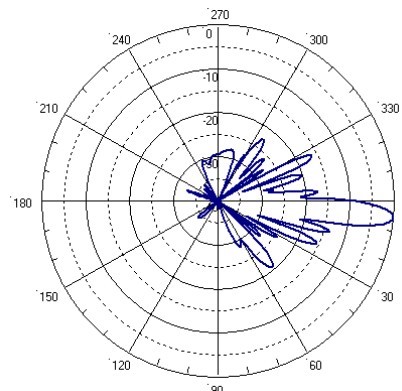


MECHANICAL SPECIFICATIONS

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)	1010 (227)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	210 (47)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	24.5 (54)
Antenna Dimension mm (in) H X W X D	2170 X 300 X 90 (85 X 11 X 4)



H&V Pattern



This antenna is available with variable electrical tilt 4°-14°