

LOW VISUAL IMPACT – TRI SECTOR

3x BROADBAND 1710 – 2170 MHz

TSD3-800TV-AV WITH 3 STANDARDS ANTENNAS sector = BROADBAND

3 X 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°

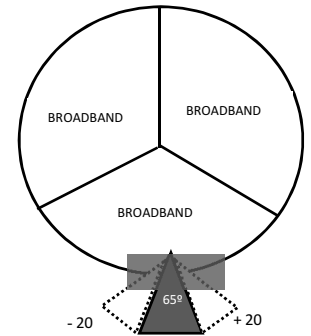
ELECTRICAL SPECIFICATIONS

3 X BROADBAND 1710 – 2170 MHz

Antenna Model	TSD3-800TV		
Polarization	± 45°		
Frequency	3 X (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	18.2
Vertical Electrical Tilt	VARIABLE 0°-10°	VARIABLE 0°-10°	VARIABLE 0°-10°
Variable Azimuth	-20° to +20°		
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) <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		

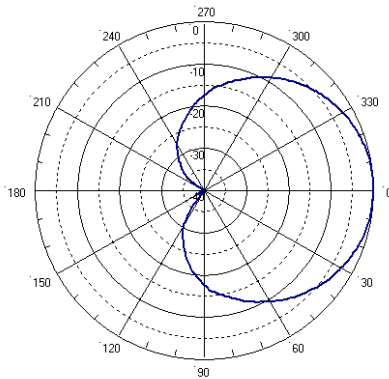


Tri-Sector configuration



MECHANICAL SPECIFICATIONS

Connectors	6 X 7/16 Female	
Connector Position	Bottom	
Survival Wind Speed km/h (mph)	200 (125)	
Windload N @ 160 km/h (lbs @100 mph)	410 (92)	
Radome Color	Grey, paintable	
Humidity	100%	
Antenna Weight kg (lbs)	70 (154)	
Antenna Dimension mm (in) H X Diam	Antenna Size: 1380 x 360 (54 X 14) Service Module: 310 X 390 (12 X 15)	



H&V Pattern

