

LOW VISUAL IMPACT – TRI SECTOR

3x BROADBAND 1710 – 2170 MHz

TSD3-400TV-*sector = BROADBAND*

WITH 3 STANDARDS ANTENNAS

3 X 1710 - 2170		
1710-1880	1850-1990	1920-2170
H68° V14°	H66° V13°	H62° V12.5°
Variable Tilt 0° - 16°	Variable Tilt 0° - 16°	Variable Tilt 0° - 16°

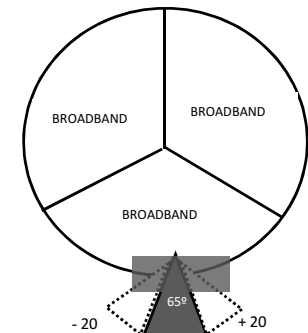
ELECTRICAL SPECIFICATIONS

3 X BROADBAND 1710 – 2170 MHz

Antenna Model	TSD3-400TV		
Polarization	± 45°		
Frequency	3 X (1710 – 2170)		
	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	68°	66°	62°
Vertical Beamwidth	14°	13°	12.5°
Gain (dBi)	14.7	15	15.2
Vertical Electrical Tilt	VARIABLE 0°-16°	VARIABLE 0°-16°	VARIABLE 0°-16°
Variable Azimuth	-20° to +20°		
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	17	17	17
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		

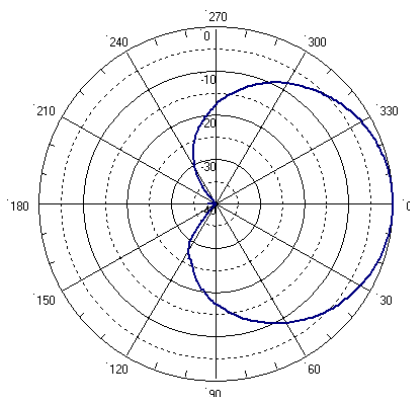


Tri-Sector configuration



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)	275 (61)	
Radome Color	Grey, paintable	
Humidity	100%	
Antenna Weight kg (lbs)	55 (121)	
Antenna Dimension mm (in) H X Diam	Antenna Size: 840 X 360 (33 X 14) Service Module: 310 X 390 (12 X 15)	



H&V Pattern

