

# MT536M49VH/AV/A

23/80 GHz 40/50 dBi 2 Ft Dish



Electrical				
Regulatory Compliance	ETSI EN 302 217-4-2 V2.1.1, FCC 47CFR101.115, RoHS, CE			
Frequency Range	21.2 – 23.6 GHz 71 – 76, 81- 86 GHz			
Gain	Low Band	Mid Band	High Band	
21.2 – 23.6 GHz	39.5 dBi	40 dBi	41 dBi	
71 – 76/81 – 86 GHz	50 dBi		51 dBi	
VSWR				
21.2 – 23.6 GHz	2.0 :1			
71 – 76/81 – 86 GHz	1.5 :1			
3 dB Beam width				
21.2 – 23.6 GHz	1.7°			
71 – 76, 81- 86 GHz	0.5°			
Polarization				
21.2 – 23.6 GHz	Single or Dual Pol. (V+H)			
71 – 76, 81 – 86 GHz	Single or Dual Pol. (V+H)			
Side Lobe Suppression				
21.2 – 23.6 GHz	ETSI Class 3, FCC			
71 – 76, 81 – 86 GHz	ETSI Class 3, FCC			
Cross Polarization	ETSI EN 302 217-4-2 V2.1.1 Class 3, FCC 47CFR101.115			
F/B Ratio	67 dB			
XPD				
21.2 – 23.6 GHz	27 dB			
71 – 76, 81 – 86 GHz	25 dB			
Isolation				
WR42 to WR12	80 dB			
WR12 to WR42	25 dB			
Input Power	10 W (max)			
Mechanical				
Diameter	Ø 655 mm			
Depth	300 mm			
Weight	6.2 Kg max			
Interface				
21.2 – 23.6 GHz	WR42 or Circular			
71 – 76/81 – 86 GHz	WR12 or Circular			
Radome	Polypropylene			
Environmental				
Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72h	-55°C	
High Temperature	IEC 68-2-2	72 h	+71°C	
Temp. Cycling	IEC 68-2-14	1h	-45°C +70°C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis		Random 4M5
Shock Mechanical	IEC 60721-3-4			4M5
Humidity	ETSI EN300-2-4 T4.1E	144h		95%
Water Tightness	IEC 529			IP67 (for feed and radio interfaces)
Solar Radiation	ASTM G53	1000 h		-
Salt Spray	IEC 68-2-11 Ka	500h		-
Ice And Snow				25mm Radial
Wind Speed: Survival Operation	ETSI EN 302 085 V1.1.2 Heavy Duty Heavy Duty			252 Km/h 164 Km/h

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