

# MT2880M50VH

28/80 GHz 42/50.5 dBi 2 ft Parabolic Antenna

## Electrical

Regulatory Compliance	RoHS , CE, ETSI EN 302 217-4 V2.1.1 (2017-05) FCC 47 CFR 101.115,		
Frequency	27.5 – 29.5 GHz 71.0 – 76.0 & 81.0-86.0 GHz		
Gain	Low Band	Mid. Band	High Band
27.5 – 29.5 GHz	41.5 dBi	42.0 dBi	42.5 dBi
71.0-76.0 & 81.0–86.0 GHz	50.0 dBi		51.0 dBi
VSWR/RL	1.7:1		
27.5-29.5 GHz	1.5 :1		
71.0-76.0 & 81.0-86.0 GHz			
Polarization	Single or Dual Pol (V+H)		
3 dB Azimuth Beam Width	1.4°		
27.5 – 29.5 GHz	0.5°		
71.0-76.0 & 81.0 – 86.0 GHz			
Side Lobe Suppression	ETSI Class 3,		
27.5 – 29.5 GHz	ETSI Class 3, FCC		
71.0-76.0 & 81.0 – 86.0 GHz			
Cross Polarization	ETSI Class 3		
27.5 – 29.5 GHz	ETSI Class 3, FCC		
71.0-76.0 & 81.0 – 86.0 GHz			
F/B Ratio	69 dB		
XPD	27 dB		
27.5 – 29.5 GHz	25 dB		
71.0-76.0 & 81.0 – 86.0 GHz			
Isolation	80 dB		
Low Range WR28 to WR12	25 dB		
High Range WR28 to WR12	30 dB		
Low Range WR28 to WR28	10 W		
Power Handling			

## Mechanical

Dimensions:	
Diameter	Ø 655 mm
Depth	300 mm max
Weight	9.1 kg
Interface	
27.5– 29.5 GHz	WR28 or Circular
81.0– 86.0 GHz	WR12 or Circular
Radome	Plastic

## Environmental

Temperature operating & storage	-55°/+71°C
Ice And Snow	25 mm Radial
Wind Speed:	
Survival	252 Km/h
Operation	164 Km/h

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