

MT2880M45VH

28/80 GHz 37/47 dBi 1 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	36.5 dBi	37.5 dBi	38.5 dBi
71.0-76.0 & 81.0–86.0 GHz	46.5 dBi		47.5 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	2.1°		
27.5 – 29.5 GHz	0.8°		
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	63 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 385 mm
Depth	150 mm max
Weight	6 kg
Interface	
27.5– 29.5 GHz	WR28 or Circular
81.0– 86.0 GHz	WR -12 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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