

MT-799006/W

80 GHz 41 dBi 20 cm Parabolic Antenna

Electrical

Regulatory Compliance	ETSI EN 302 217-4-2 V1.5.1 (2010-01) RoHS, CE
Frequency	71-76 GHz, 81- 86 GHz
Gain	41 dBi \pm 1 dB
VSWR	1.5:1
3 dB Beam Width	1.3°
Polarization	Vertical or Horizontal or Dual Pol
Side Lobes Level	ETSI EN 302 217-4-2 Class 3
Cross Polarization	ETSI EN 302 217-4-2 Class 3
Cross Polarization Discrimination	27 dB min
F/B Ratio	ETSI EN 302 217-4-2 Class 3 57 dB min
Input Power	10 W max

Mechanical

Dimensions Diameter x Depth	Ø212 x 95 mm max
Weight	2 kg max
Interface	Circular Wave Guide
Radome	Plastic

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-55 °C	
High Temperature	IEC 68-2-2	72 h	+71 °C	
Temp. Cycling	IEC 68-2-14	1 h	-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	144 h		95%
Water Tightness	IEC 529			*IP67
Solar Radiation	ASTM G53	1000 h		
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h

* IP 67 for feed and interface to the installed radio

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11 Hamelacha st. Afek Industrial Park, Rosh-Ha'AYin 4809121 | Tel. +972.3.9008900 | Fax. +972.3.9008901