

MT-799012/W

80 GHz 43 dBi Flat Antenna

Electrical

Regulatory Compliance	RoHS, CE
Frequency	71 - 76 GHz, 81 - 86 GHz
Gain	43.0 dBi @ 71 - 76 GHz 44.5 dBi @ 81 - 86 GHz
VSWR	2:1
3 dB Beam Width	1°
Polarization	Single Linear: V or H or 45°
XPOL	30 dB
Side Lobes Suppression	ETSI EN 302 217-4 v2.1.1 (2017-05) CLASS 3

Mechanical

Dimensions	277 x 277 x 20 mm
Weight	1.8 kg
Connector	WR-12
Radome	Polypropylene
Back plate	Aluminum
Water tightness	IP67

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%
Solar Radiation	ASTM G53			
Salt Spray	IEC 68-2-11 Ka	1000 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h

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