

# MT-364035/N

2.3– 2.7 GHz 15.5 dBi Directional Antenna

## Electrical

Regulatory Compliance	ETSI EN 301 525 v 1.1.1 (2000-06) TS1-TS2 RoHS, CE 0682
Frequency	2.3 – 2.7 GHz
Gain	14 dBi min, 14.5 dBi typ @ 2.3 - 2.4 GHz 14.5 dBi, 15 dBi typ @ 2.4 - 2.5 GHz 15 ±0.5 dBi min @ 2.5 - 2.7 GHz
VSWR	1.7:1 typ, 1.9:1 max
3 dB Beam Width	32° typ
Polarization	Linear Vertical or Horizontal
Side Lobes Level	ETSI EN 301 525 v1.1.1 TS1 @ 2.3-2.4 GHz ETSI EN 301 525 v1.1.1 TS1-TS2 @ 2.4-2.7 GHz
Azimuth Cross Polarization	ETSI EN 301 525 v1.1.1 TS1-TS2
Elevation Cross Polarization	ETSI EN 301 525 v1.1.1 TS1-TS3
F/B Ratio	ETSI EN 301 525 v1.1.1 TS1-TS3
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	190 x 190 x 30 mm max
Weight	0.5 kg max
Connector	N-type Female
Radome	Plastic
Base Plate	Aluminum with Chemical Conversion Coating

## 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		
Flammability	UL 94			Class HB
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
Wind Load	Front Thrust			10.5 kg
Survival	Side Thrust			1.6 kg

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