

MT-2035/A

30-100 MHz Broadband Blade Antenna



Wireless Edge
Antenna Solutions
An MTI Company

Electrical

Frequency	30-100 MHz
Gain	-2 dBi min
VSWR	3:1 max on large ground plane
Azimuth Coverage	± 2 dB
Polarization	Vertical
Power Handling	1000 W CW
Input Impedance	50 Ω
Input Connector	N-Type Female

Mechanical

Dimensions:	Height	1 meter
	Length	0.85 Meter max
	Width	0.2 meter max
	Weight	23 kg max

Environmental - Designed to operate on Subsonic Aircraft

Test

Temperature	-54°C to +85°C
Altitude	40,000 ft
Humidity	Up to 98% RH
Vibration	Per RTCA/DO-160D, section 8, curve D(~9GRMs)
Endurance	Per RTCA/DO-160D, section 8, curve D1(12.6 GRMs)
Mechanical Shock	Half sine, 6g, 11 msec
Crash Safety Shock	Half sine, 15g, 11 msec
Side Pressure	6 psi
Sand and Dust	Per MIL-STD-810E, Method 510.3
Salt Fog	5% NaCl , during 48 hours

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