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OMNI ANTENNAS

MT-482015/N/A

5.725-5.925GHZ 10.5DBI VERTICAL POLARITY ULTRA LOW-COST OMNI DIRECTIONAL ANTENNA



ELECTRICAL

FREQUENCY RANGE	5.725-5.925GHz
PEAK GAIN	10.5 dBi (min)
GAIN + AZIMUTH RIPPPLE	10 ± 1 dB
VSWR	1.7:1 (max) 1.5:1 (typ) @ 5.725-5.875 GHz 2:1 (max) @ 5.875-5.925 GHz
POLARIZATION	Linear Vertical
E-PLANE BEAM WIDTH	6.5° (typ)
E-PLANE SIDELOBES	-10 dB (max)
3dB AZIMUTH BEAMWIDTH	Omni
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
LIGHTNING PROTECTION	DC Grounded

MECHANICAL

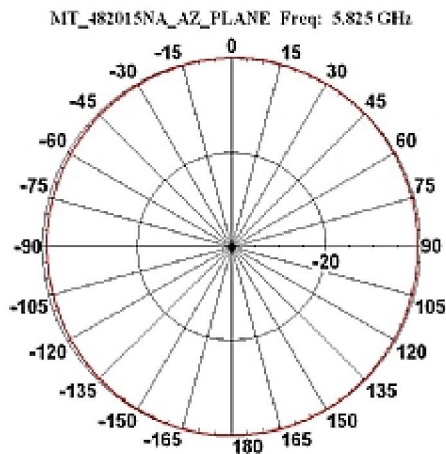
DIMENSIONS (D x H)	16mm X 460mm (max)
CONNECTOR	N-Type Female
WEIGHT	0.5 kg (max)
MOUNTING KIT	Mounted to radio's N-female output
RADOME MATERIAL	Plastic, UV Resistant
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	See Below

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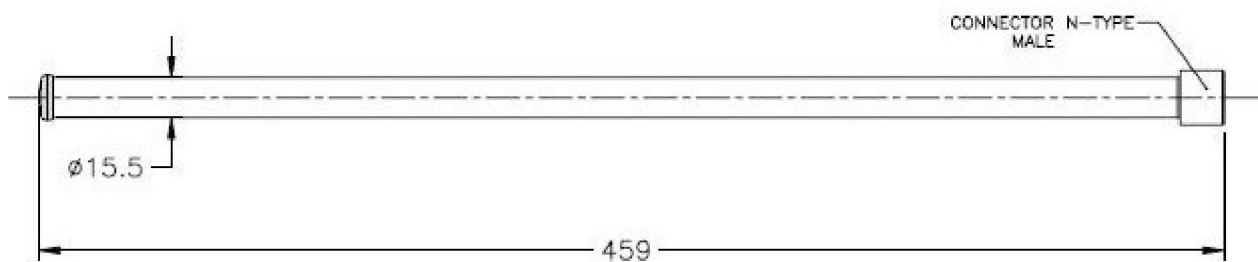
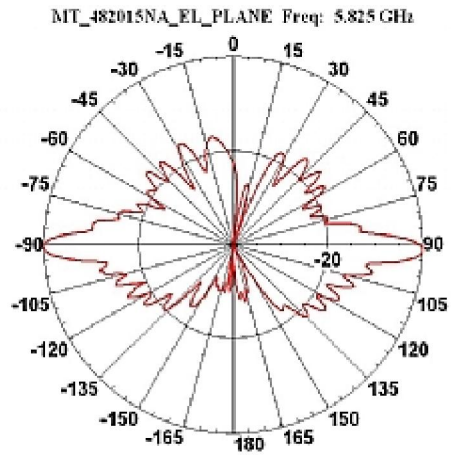
ENVIRONMENTAL

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		Random4M5
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	2000h		
FLAMMABILITY	UL 94			Class HB
SALT SPRAY	IEC 68-2-11 Ka	500h		
ICE AND SNOW				25mm Radial
WIND SPEED SURVIVAL OPERATION				220 Km/h 160 Km/h
WIND LOAD (SURVIVAL) FRONT THRUST SIDE THRUST				39.6 kg 4.3 kg

**AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 5.825 GHZ**



**ELEVATION RADIATION PATTERN MIDBAND
FREQ. 5.825 GHZ**



WAIVER!

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