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BASE STATION ANTENNAS

MT-404067/ND
3.3-3.8GHZ 17DBI 65° DUAL SLANT POLARITY SECTOR ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	ETSI EN 302 326- V1.1.2 (2006-03) RoHS , CE 0682
FREQUENCY RANGE	3.3-3.8 GHz
GAIN	16 dBi (min) @ 3.3-3.4 GHz 17.5 ±0.5 dBi @ 3.5-3.8 GHz
VSWR	1.5 : 1 (typ) 1.8:1 (max)
POLARIZATION	Dual Linear , ± 45°
-3dB ELEVATION BEAMWIDTH	7.5°
13.5 dBi AZIMUTH BEAMWIDTH	65°
AZIMUTH SIDELobe LEVEL	Meets ETSI EN 302 326 V.1.1.2 (2006-03)
ELEVATION SIDELobe LEVEL	Meets ETSI EN 302 326 V.1.1.2 (2006-03)
SIDE LOBES LEVEL FOR AZIMUTH IN THE RANGE (± 100 TO ± 180 FROM BORESIGHT)	-25dB (max) @ 3.3-3.5GHz -30dB (max) @ 3.5-3.8GHz
F/B RATIO	ETSI EN 302 326 V.1.1.2 (2006-03) -30dB (max)
CROSS POLARIZATION	ETSI EN 302 326 V.1.1.2 (2006-03)
PORT TO PORT ISOLATION	25 dB (min) @ 3.3-3.7GHz 20 dB (min) @ 3.7-3.8GHz
POWER	20W, 250W (peak)
INPUT IMPEDANCE	50 (ohm)
LIGHTNING PROTECTION	DC Grounded

MECHANICAL

DIMENSIONS (LxWxD)	600x130x63mm (max)
CONNECTOR	2 xN-Type Female
WEIGHT	2.5 (kg) (max)
MOUNTING KIT	MT-120025/A
RADOME MATERIAL	Plastic, UV Resistant
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	See Below

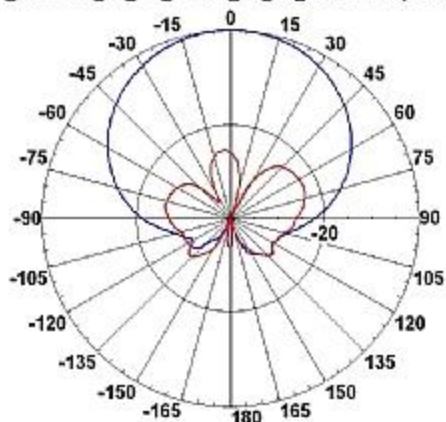
ENVIRONMENTAL

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			IP54
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)				22.3 kg
FRONT THRUST				10.8 kg
SIDE THRUST				

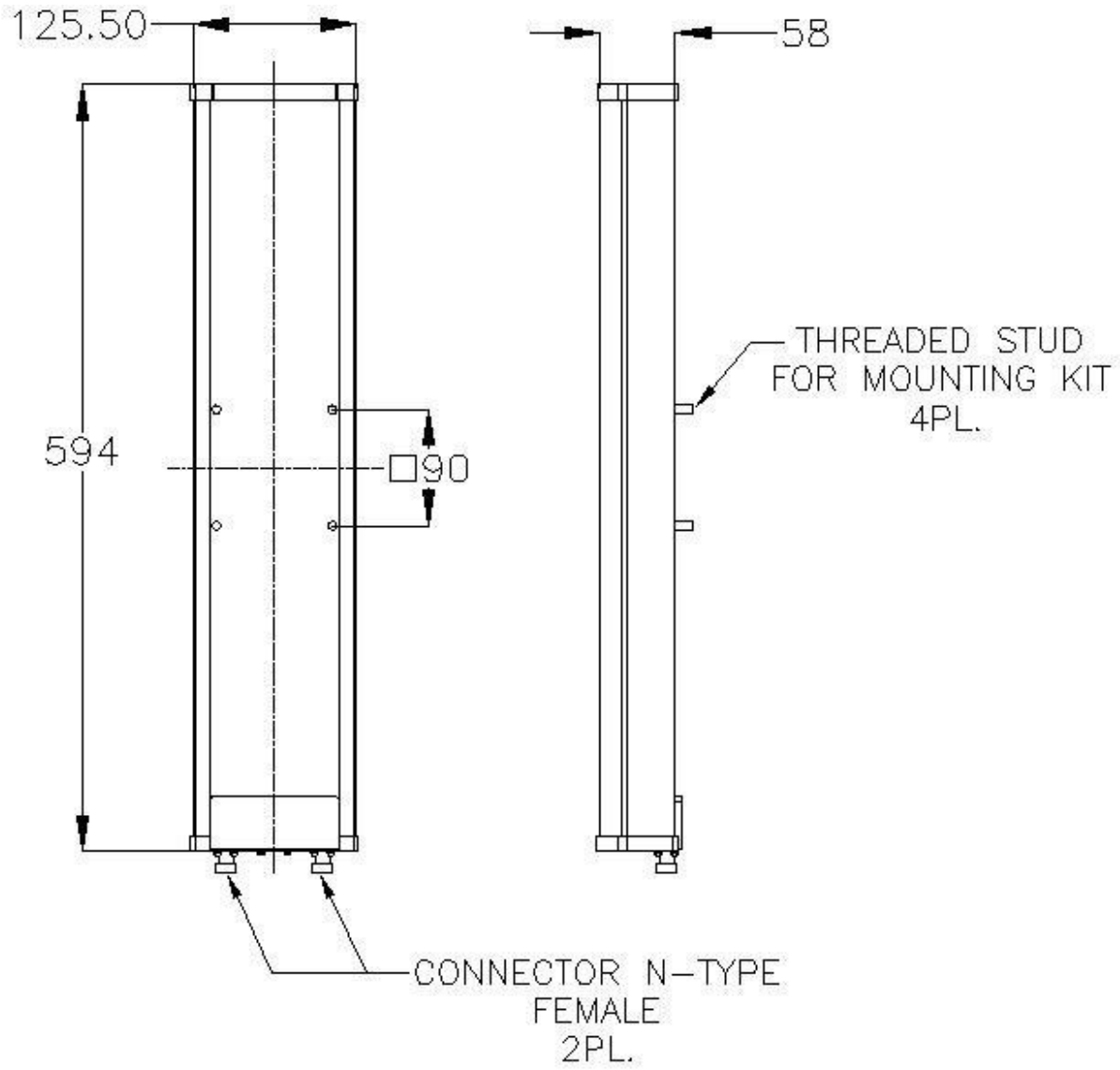
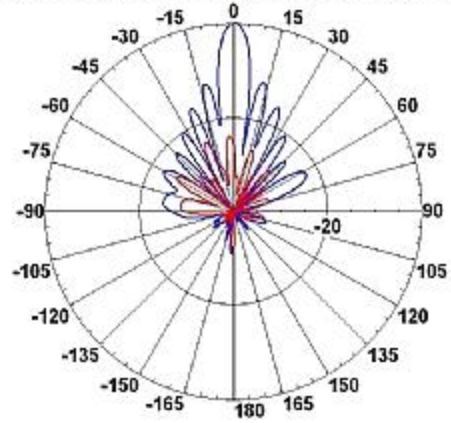
**AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 3.4 GHZ**

**ELEVATION RADIATION PATTERN MIDBAND
FREQ. 3.4 GHZ**

MT_404067ND_SN_012_PORT1_AZ_CP_02-3.40 Freq: 3.4 GHz



MT_404067ND_SN_012_PORT1_EL_CP_02-3.40 Freq: 3.4 GHz



WAIVER!

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