

CIRCULAR ANTENNAS

MT-263020/TRH/A
902-928 MHZ, 11 DBIC RHCP READER ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	902 - 928 MHz
GAIN	11 dBic (min)
VSWR	1.5 : 1 (max) 1.3 : 1 (typ)
POLARIZATION	RHCP
3dB ELEVATION BEAMWIDTH	63° (typ)
3dB AZIMUTH BEAMWIDTH	30° (typ)
SIDELOBES LEVEL	-12 dB (max) -15 dB (typ)
F/B RATIO	-20 dB (max)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
LIGHTNING PROTECTION	DC Grounded

MECHANICAL

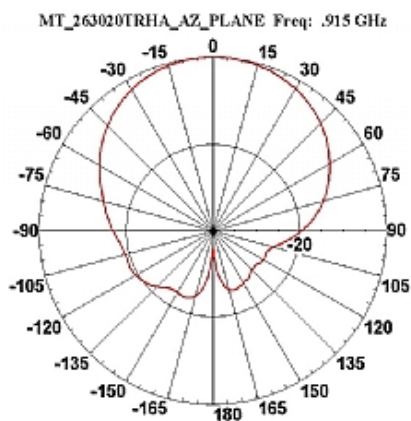
DIMENSIONS (LxWxD)	630x320x32
CONNECTOR	TNC-Reverse Polarity
WEIGHT	2.8 kg (max)
MOUNTING KIT	See RD41181900C , MT-120019
RADOME MATERIAL	Plastic UV Resistant per ETSI 300
OUTLINE DRAWING	RD41895600C
ORIENTATION	Rectangular

ENVIRONMENTAL

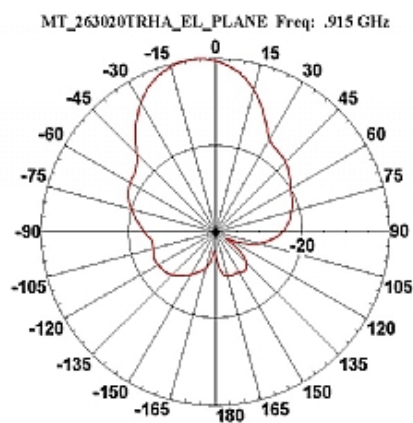
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	

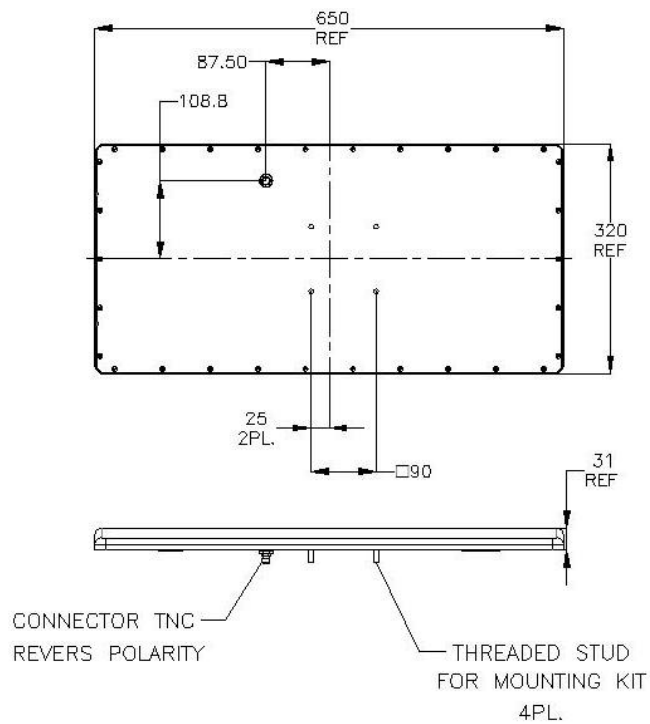
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
THERMAL SHOCK NONO-OPERATING			-30°C to+70°C	Ramp 30°C/min
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h		95%
WATER TIGHTNESS	IEC 529			IP54
DUST RESISTANCE				IP54
SOLAR RADIATION	ASTM G53	1000h		
OZONE RESISTANCE	ETSI 300			
FLAMMABILITY	UL 94			Class HB
QUASI RANDOM VIBRATION				20g rms for 4 hours
VEHICLE VIBRATION OPERATING	1 grms, 10-500 Hz, in 3 axis			6 hours total, 2 hr in each axis. Accelerated wear – an additional 50hrs in worst case axis.
MECHANICAL SHOCK OPERATING	10g,11msec, half sine pulse			

**AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 0.915 GHZ**



**ELEVATION RADIATION PATTERN MIDBAND
FREQ. 0.915 GHZ**





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