



MT-263007/TRH/A/K 902-928 MHz, 10 dBic RHCP READER ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	902 - 928 MHz
GAIN	10 dBic (min) 11.5 dBic (max)
VSWR	1.3 : 1(max)
3DB ELEVATION BEAMWIDTH	45° (typ)
3DB AZIMUTH BEAMWIDTH	63° (typ)
SIDELOBES LEVEL @ ± 90°	-12 dB (max)
F/B RATIO	-20 dB (min)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
AXIAL RATIO AT BORESIGHT	2.5 dB (max) 1.5 dB (typ)
LIGHTNING PROTECTION	DC Grounded
MECHANICAL	
DIMENSIONS (LXWXD)	370 x 370 x 40mm (max)
CONNECTOR	Reverse Polarity TNC
WEIGHT	2 Kg (max)
MOUNTING KIT	SEE RD41191800C
RADOME MATERIAL	Plastic
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD43105700C
ORIENTATION	Rectangular

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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
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			IP67

DUST RESISTANCE

IP67

SOLAR RADIATION ASTM G53 1000h

OZONE RESISTANCE ETSI 300

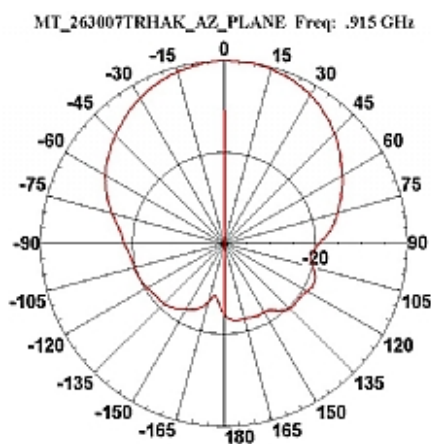
FLAMMABILITY UL 94 Class HB

QUASI RANDOM VIBRATION 20g rms for 4 hours

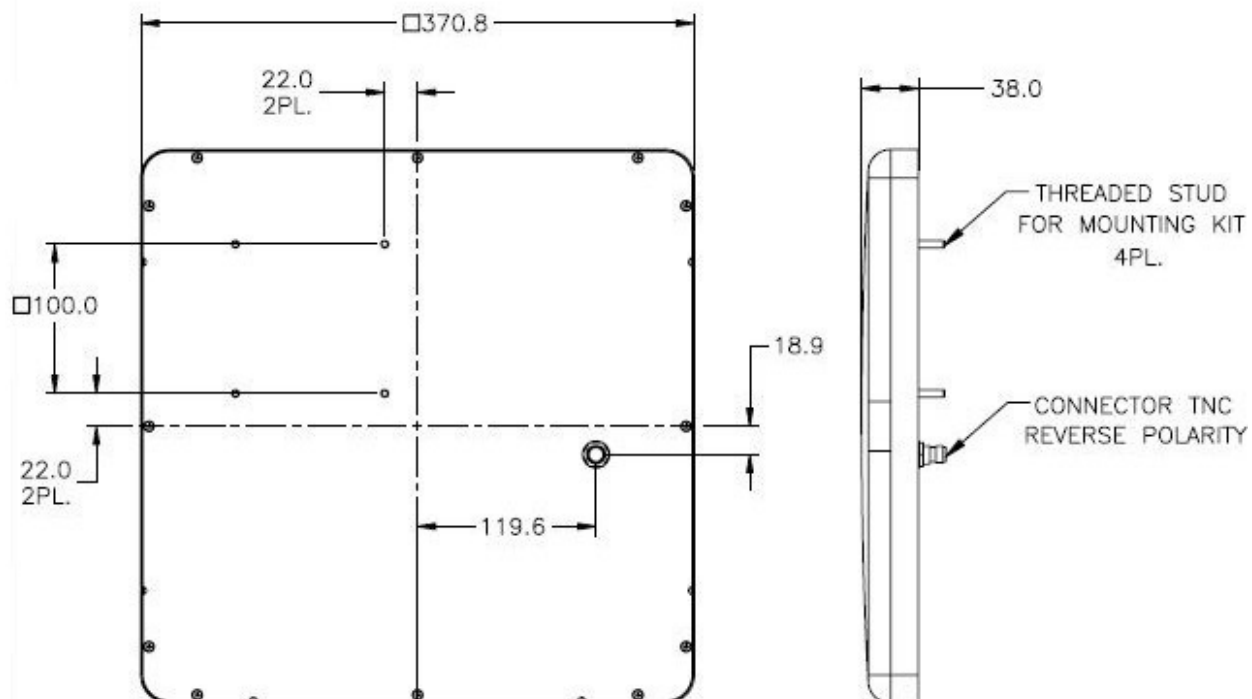
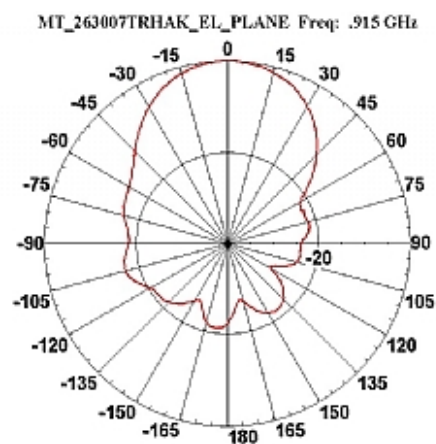
VEHICLE VIBRATION OPERATING 1 grms, 10-500 Hz, in 3 axis 6 hours total, 2 hr in each axis. Accelerated wear – an additional 50hrs in worst case axis.

MECHANICAL SHOCK OPERATING 10g, 11msec, half sine pulse

AZIMUTH RADIATION PATTERN MIDBAND FREQ. 0.915 GHZ



ELEVATION RADIATION PATTERN MIDBAND FREQ. 0.915 GHZ



WAIVER!

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