



MT-262024/TRH/A/K 902 - 928 MHz, 7.5 dBic RHCP READER ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	902 - 928 MHz
GAIN	7.5 dBic (min)
VSWR	1.3 :1 (typ) , 1.5 : 1(max)
POLARIZATION	RHCP
3DB ELEVATION BEAMWIDTH	72° (typ)
3DB AZIMUTH BEAMWIDTH	77° (typ)
F/B RATIO	-14 dB (typ)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
AXIAL RATIO AT BORESIGHT	3.5 dB (max)
AXIAL RATIO @ ± 20°	3.5dB (typ) 4dB (max)
LIGHTNING PROTECTION	DC Grounded

MECHANICAL

DIMENSIONS (LXWXD)	190 x 190 x 30mm (max)
CONNECTOR	TNC female Reverse polarity
WEIGHT	0.8 (Kgs) (max)
MOUNTING KIT	SEE RD41191800C
RADOME MATERIAL	Plastic
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD42241100C

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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%
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WATER TIGHTNESS	IEC 529	IP67
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DUST RESISTANCE	IP67
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SOLAR RADIATION	ASTM G53	1000h
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OZONE RESISTANCE	ETSI 300
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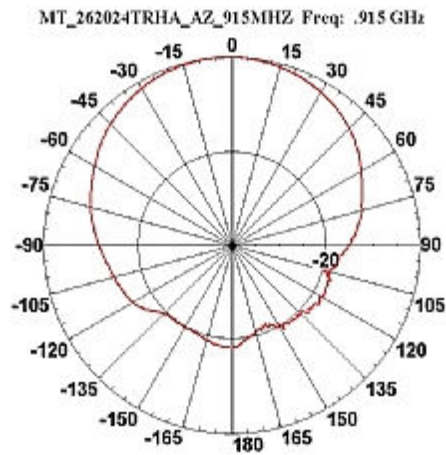
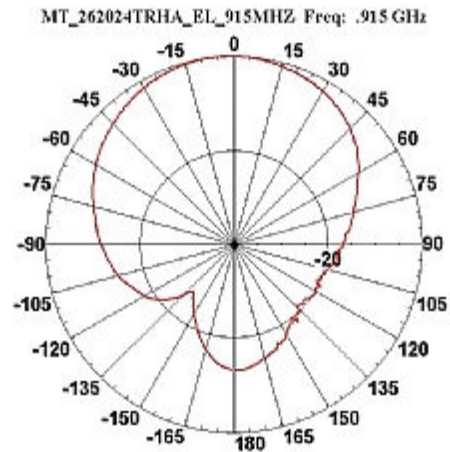
FLAMMABILITY	UL 94	Class HB
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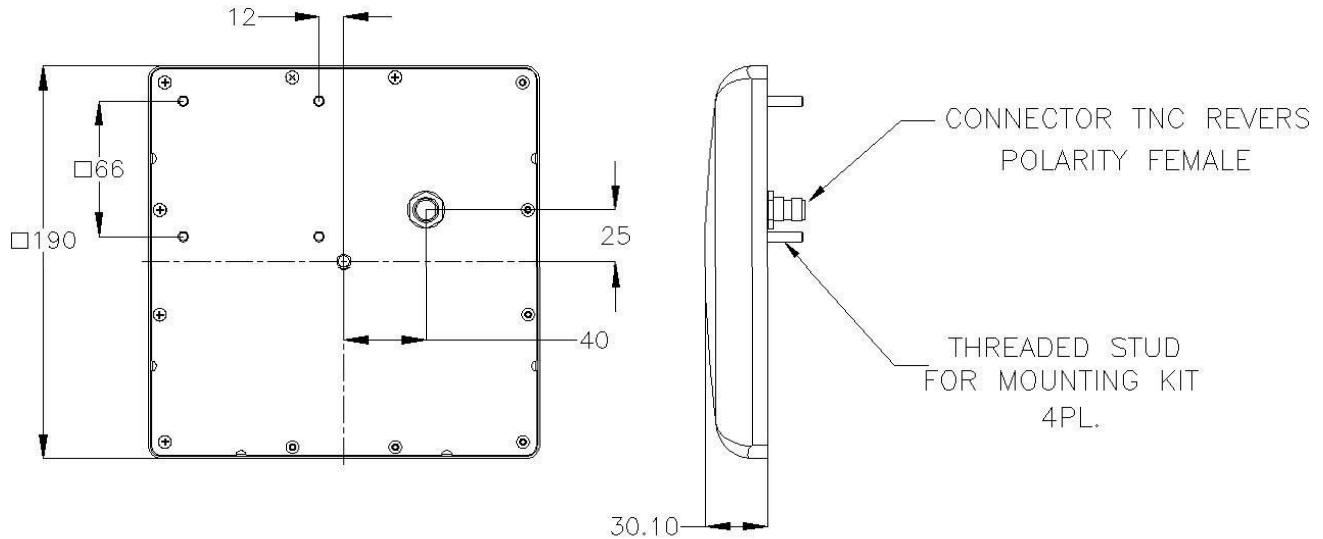
SALT SPRAY	IEC 68-2-1 Ka	500 h
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QUASI RANDOM VIBRATION	20g rms for 4 hours
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VEHICLE VIBRATION OPERATING	1 grms, 10-500 Hz, in 3 axis	6 hours total, 2 hr in each axis. Accelerated wear – an additional 50hrs in worst case axis.
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MECHANICAL SHOCK OPERATING	10g, 11msec, half sine pulse
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**AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 0.915 GHZ****ELEVATION RADIATION PATTERN MIDBAND
FREQ. 0.915 GHZ**

**WAIVER!**

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154 State Street North Haven, CT 06473

Toll Free 866.792.0031

www.gatewayrfidsolutions.com

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