

MT-262006/TRH/A/K 902-928 MHz, 9 dBic RHCP READER ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	902 - 928 MHz
GAIN	9dBic (min) , 9dBil (max)
VSWR	1.3:1 (max) 1.4:1 (max) @ LESS THAN 10% of the range
POLARIZATION	RHCP
3DB ELEVATION BEAMWIDTH	63° (typ)
3DB AZIMUTH BEAMWIDTH	63° (typ)
SIDELOBES LEVEL @ ± 90°	-16 dB (max)
F/B RATIO	-18 dB (max) -20 dB (typ)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
AXIAL RATIO AT BORESIGHT	4 dB (max)
LIGHTNING PROTECTION	DC Grounded
MECHANICAL	
DIMENSIONS (LXWXD)	305x305x25mm (max)
CONNECTOR	Reverse Polarity TNC Female
WEIGHT	1.2 kg (max)
MOUNTING KIT	SEE RD41191800C
RADOME MATERIAL	Plastic UV Resistant per ETSI 300
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD41880300C
ORIENTATION	Rectangular

[ADD TO COMPARISON](#) | [COMPARE](#)

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

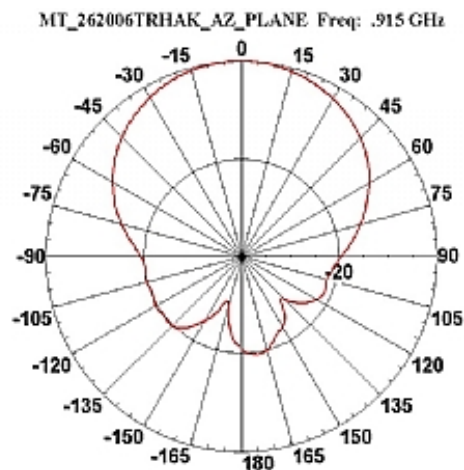
**THERMAL SHOCK
NONO-OPERATING**

-30°C to+70°C

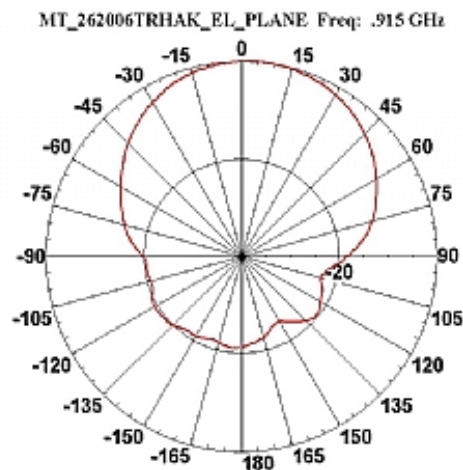
Ramp 30°C/min

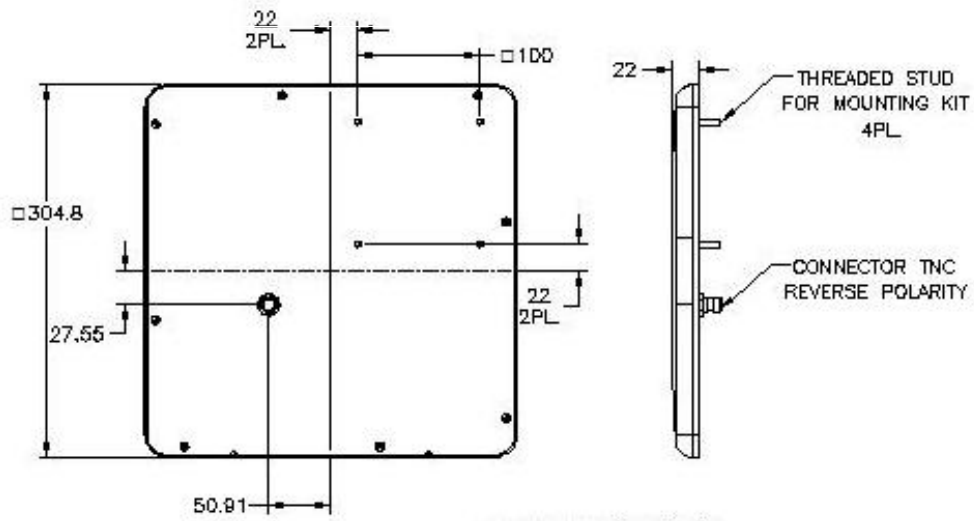
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	95%
WATER TIGHTNESS	IEC 529		IP67
DUST RESISTANCE			IP67
SOLAR RADIATION	ASTM G53	1000h	
OZONE RESISTANCE	ETSI 300		
FLAMMABILITY	UL 94		Class HB
SALT SPRAY	IEC 68-2-1 Ka	500 h	
ICE AND SNOW			25 mm Radial
WIND SPEED SURVIVAL OPERATION			220 Kh/m 160 Kh/m
WIND LOAD (SURVIVAL) : FRONT THRUST SIDE THRUST			28.6 Km 2.2 Km
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!

While the information contained in this document has been carefully compiled to the best of our present knowledge, it is not intended as presentation or warranty of any kind on our part regarding the fitness of the products concerned for any particular use or purpose and neither shall any statement contained herein be construed as a recommendation to infringe any industrial property rights or as a license to use any such rights. The fitness of each product for any particular purpose must be checked beforehand with our specialists.



154 State Street North Haven, CT 06473
 Toll Free 866.792.0031
www.gatewayrfidsolutions.com
 Visit our RFID Store - store.gatewayrfidsolutions.com