



MT-242043/TRH/A/K  
865 - 956 MHz, 8.5 dBic RHCP READER ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	865 - 956 MHz
GAIN	7.5 dBic (min) , 8.5 dBic (max) @ 865-870 MHz 8.5 dBic (min) , 9.5 dBic (max) @ 902-928 MHz 7.5dBic (min) , 9.0 dBic (max) @ 950-956 MHz
VSWR	1.2:1 (typ) 1.35 : 1(max)
POLARIZATION	RHCP
3DB ELEVATION BEAMWIDTH	65° (typ)
3DB AZIMUTH BEAMWIDTH	65° (typ)
F/B RATIO	-18 dB (max)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
AXIAL RATIO	865-870 MHz @ 2.5 dB (max) 902-928 MHz @ 1dB(typ) 1.5 dB (max) 950-956 MHz @ 3.0 dB (max)
LIGHTNING PROTECTION	DC Grounded
MECHANICAL	
DIMENSIONS (LXWXD)	305x305x25mm (max)
CONNECTOR	TNC JACK Reverses Polarity
WEIGHT	1.2 kg (max)
MOUNTING KIT	RD41191800C , MT-120018
RADOME MATERIAL	Plastic
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD43072500C

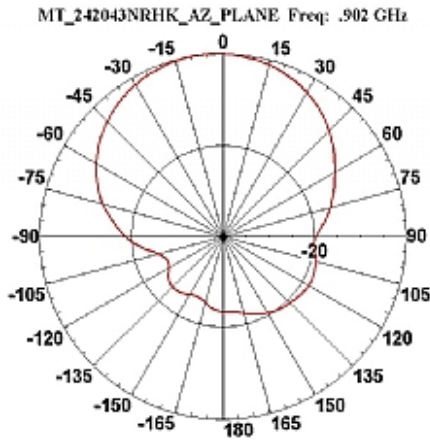
[ADD TO COMPARISON](#) | [COMPARE](#)

ENVIRONMENTAL

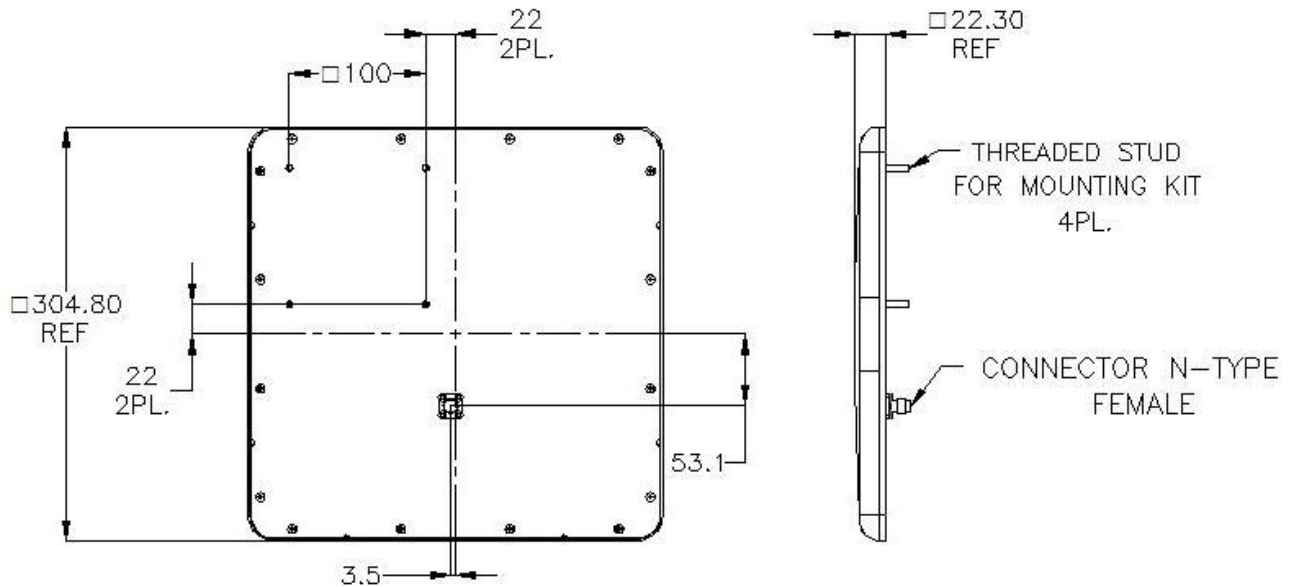
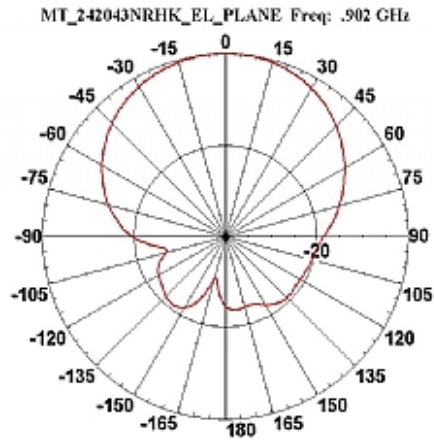
TEST	STANDARD	DURATION	TEMPERTURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
VIBRATION	IEC 60721-3-4	30 min/axis		Random4M5
SHOCK MECHANICAL	IEC 60721-3-4			4M5
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h		95%
WATER TIGHTNESS	IEC 529			IP67
SOLAR RADIATION	ASTM G53	1000h		

FLAMMABILITY	UL 94	Class HB
SALT SPRAY	IEC 68-2-11 Ka	168 h
ICE AND SNOW		25mm Radial
WIND SPEED SURVIVAL OPERATION		220 Km/h 160 Km/h
WIND LOAD (SURVIVAL) FRONT THRUST SIDE THRUST		26.8 kg 2.2 kg

AZIMUTH RADIATION PATTERN MIDBAND  
FREQ. 0.902 GHZ



ELEVATION RADIATION PATTERN MIDBAND  
FREQ. 0.902 GHZ



**WAIVER!**

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