



MT-263021/TRLH/A 902-928 MHz, 11 dBic DUAL LHCP+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	DUAL RHCP+LHCP
3DB ELEVATION BEAMWIDTH	30° (typ)
3DB AZIMUTH BEAMWIDTH	63° (typ)
SIDELOBES LEVEL	-12 dB (max) -15 dB (typ)
F/B RATIO	-20 dB (max)
ISOLATION	30dB (min)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
AXIAL RATIO 3DB BEAMWIDTH	AZ: 3dB (max) @ ± 30° EL 3dB (max) @ ± 12° 3.5 dB (max) @ ± 15°
LIGHTNING PROTECTION	DC Grounded
MECHANICAL	
DIMENSIONS (LXWXD)	1220x320x35 mm (max)
CONNECTOR	2 x TNC Female Reverse polarity
WEIGHT	5.4 Kg (max)
MOUNTING KIT	SEE RD41191800C
RADOME MATERIAL	Plastic UV Resistant per ETSI 300
OUTLINE DRAWING	RD41893300C
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	144 h		95%

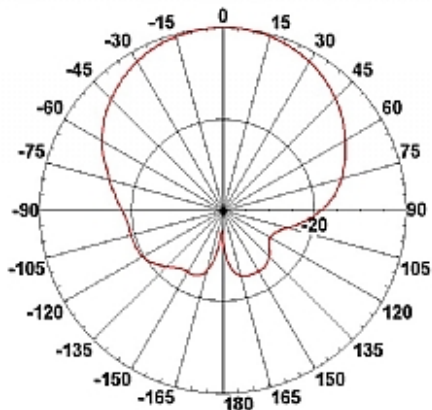
T4.1E

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	

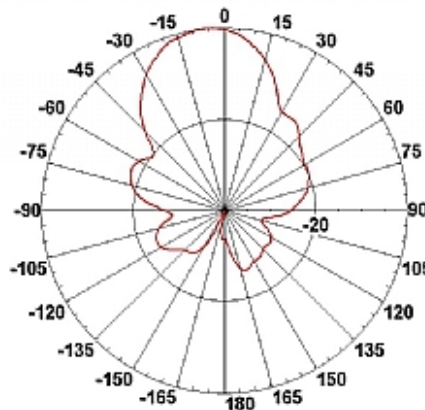
**AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 0.915 GHZ**

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

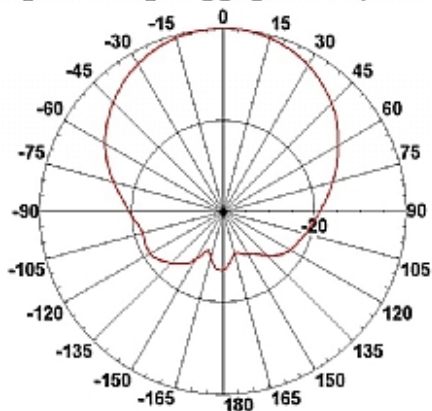
MT_263021TRLHA_PORT_1_AZ_PLANE Freq: .915 GHz



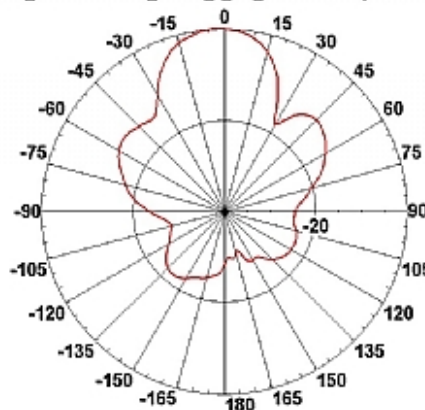
MT_263021TRLHA_PORT_1_EL_PLANE Freq: .915 GHz

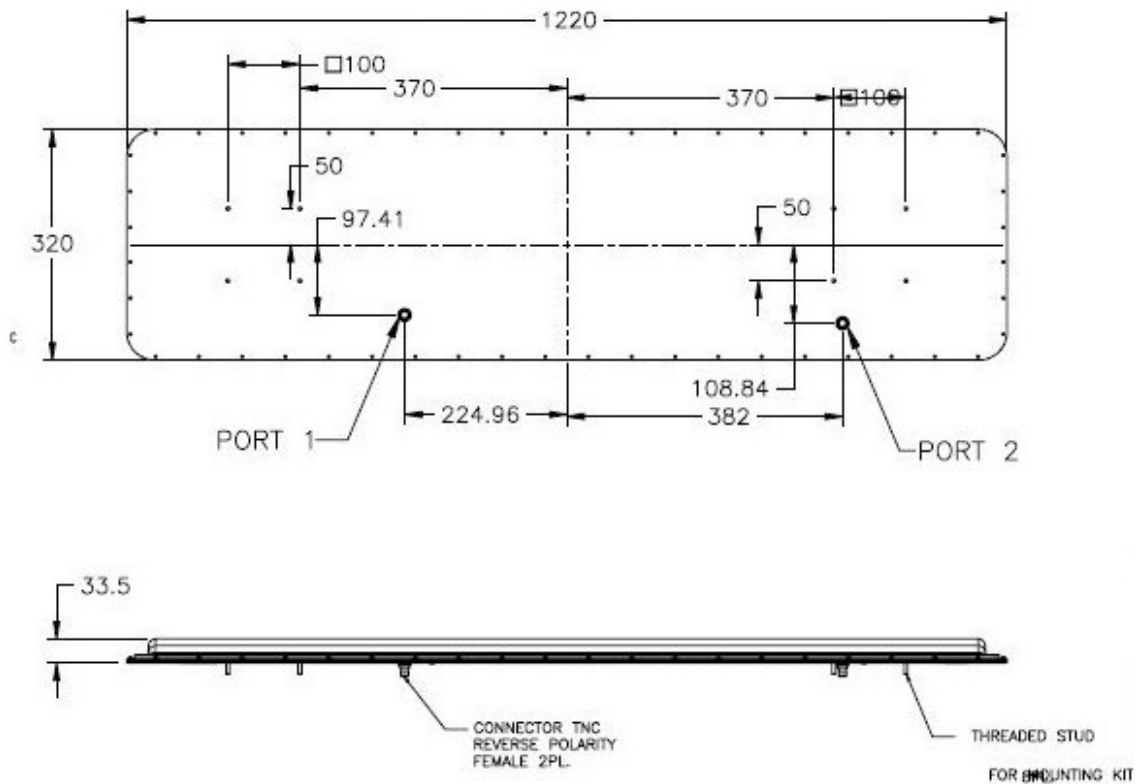


MT_263021TRLHA_PORT_2_AZ_PLANE Freq: .915 GHz



MT_263021TRLHA_PORT_2_EL_PLANE Freq: .915 GHz





WAIVER!

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