



**MT009S08LH**  
**902 – 928 MHZ, 8.5 DBIC LHCP READER ANTENNA**

**ELECTRICAL**

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	902-928 MHz
GAIN	8.0 ± 0.5 dBic
VSWR	1.3 :1 (typ) , 1.5 : 1(max)
POLARIZATION	LHCP
3dB ELEVATION BEAMWIDTH	65° (typ)
3dB AZIMUTH BEAMWIDTH	65° (typ)
F/B RATIO	18dB (typ)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
AXIAL RATIO	2 dB (typ) , 4 dB (max)
LIGHTNING PROTECTION	DC Grounded

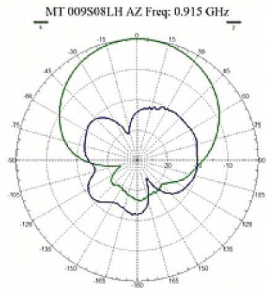
**MECHANICAL**

DIMENSIONS (LxWxD)	260.5 x 260.5mm x 13mm (max)
CONNECTOR	SMA - Female
WEIGHT	1 kg (max)
RADOME MATERIAL	Plastic
OUTLINE DRAWING	RD44158200C

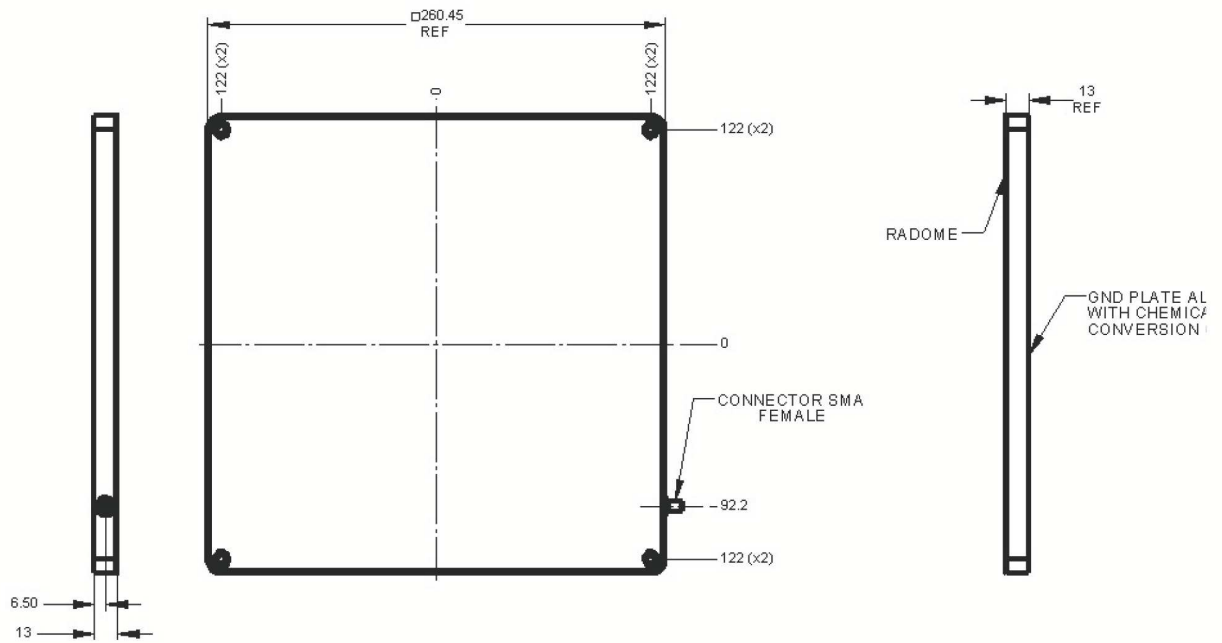
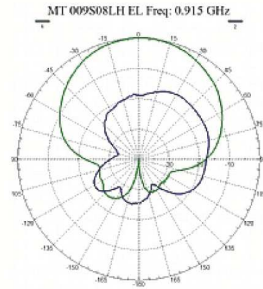
**ENVIRONMENTAL**

TEST	STANDARD	DURATION	TEMPERATURE
LOW TEMPERATURE	IEC 68-2-1	72 h	-30°C
HIGH TEMPERATURE	IEC 68-2-2	72 h	+75°C
VIBRATION	IEC 60721-3-4	30 min/axis	
SHOCK MECHANICAL	IEC 60721-3-4		
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	
WATER TIGHTNESS	IEC 529		
SOLAR RADIATION	ASTM G53	2000h	
FLAMMABILITY	UL 94		
SALT SPRAY	IEC 68-2-11 Ka	200h	
WIND SPEED SURVIVAL OPERATION			
WIND LOAD (SURVIVAL)			
FRONT THRUST			
SIDE THRUST			

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



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



**WAIVER!**

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