

CIRCULAR ANTENNAS



MT008S08LH
865-870 MHZ, 8.5 DBIC LHCP READER ANTENNA

ELECTRICAL

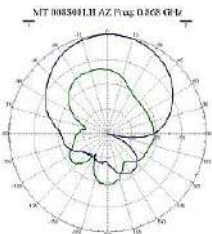
REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	865-870 MHz
GAIN	8.5 dBic (min) , 9.5dBic (max)
VSWR	1.3 :1 (typ) , 1.5 : 1(max)
POLARIZATION	LHCP
3dB ELEVATION BEAMWIDTH	65° (typ)
3dB AZIMUTH BEAMWIDTH	65° (typ)
F/B RATIO	18dB (typ)
POWER	6W (max)
AXIAL RATIO	2 dB (typ) , 4 dB (max)
LIGHTNING PROTECTION	DC Grounded
MECHANICAL	
DIMENSIONS (LxWxD)	260.5 x 260.5mm x 13mm (max)
CONNECTOR	SMA Female
WEIGHT	1 kg (max)
RADOME MATERIAL	Plastic
BASE PLATE MATERIAL	Plastic
OUTLINE DRAWING	RD44348400C

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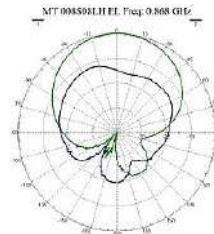
ENVIRONMENTAL

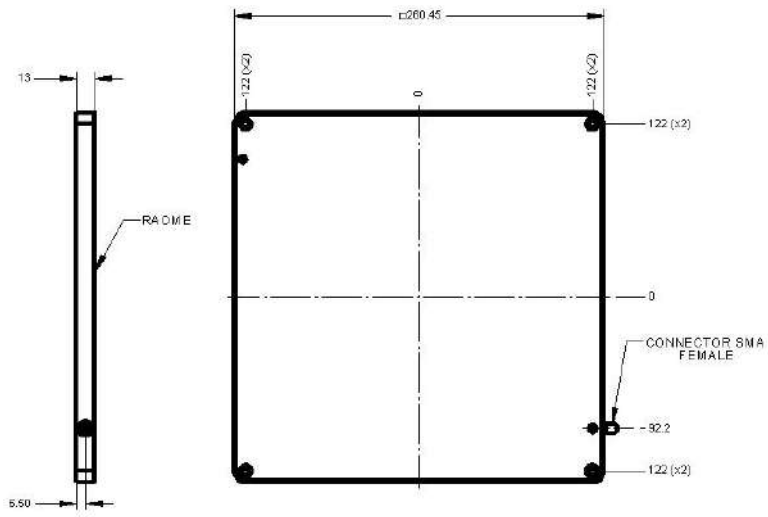
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-30°C	
HIGH TEMPERATURE	IEC 68-2-2	72 h	+75°C	
VIBRATION	IEC 60721-3-4	30 min/axis		Random4M3
SHOCK MECHANICAL	IEC 60721-3-4			4M3
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h		95%
WATER TIGHTNESS	IEC 529			IP54
SOLAR RADIATION	ASTM G53	2000h		
FLAMMABILITY	UL 94			Class V2
SALT SPRAY	IEC 68-2-11 Ka	200h		
WIND SPEED SURVIVAL OPERATION				220 Km/h 160 Km/h
WIND LOAD (SURVIVAL)				17.8 kg 1.4 kg
FRONT THRUST				
SIDE THRUST				

AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 0.868 GHZ



ELEVATION RADIATION PATTERN MIDBAND
FREQ. 0.868 GHZ





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