

# CIRCULAR ANTENNAS

MT-262042/CLH  
865-870MHZ & 902-928MHZ 8.0 DBIC LHCP SLIM READER ANTENNA



## ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	865-870 & 902-928 MHz
GAIN	7.5 ± 1.0 dBic
VSWR	1.5 :1 (typ) , 2 : 1(max)
POLARIZATION	LHCP
3dB ELEVATION BEAMWIDTH	70° (typ)
3dB AZIMUTH BEAMWIDTH	20° (typ)
F/B RATIO	20 dB (typ)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
AXIAL RATIO	2 dB (typ) , 4 dB (max)
LIGHTNING PROTECTION	DC Grounded

## MECHANICAL

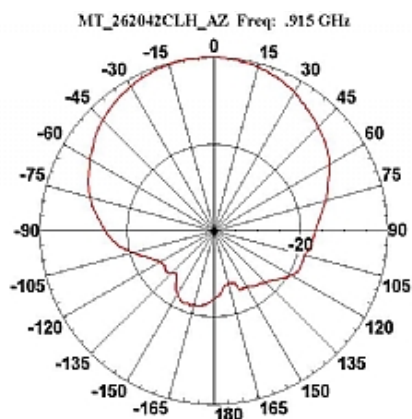
DIMENSIONS	700 x 250mm x12mm (TBD)
CONNECTOR	SMA Female
WEIGHT	2 Kg (max)
RADOME MATERIAL	Plastic
MTBF	80000 hours
BASE PLATE MATERIAL	Metallic

## ENVARIOMENTAL

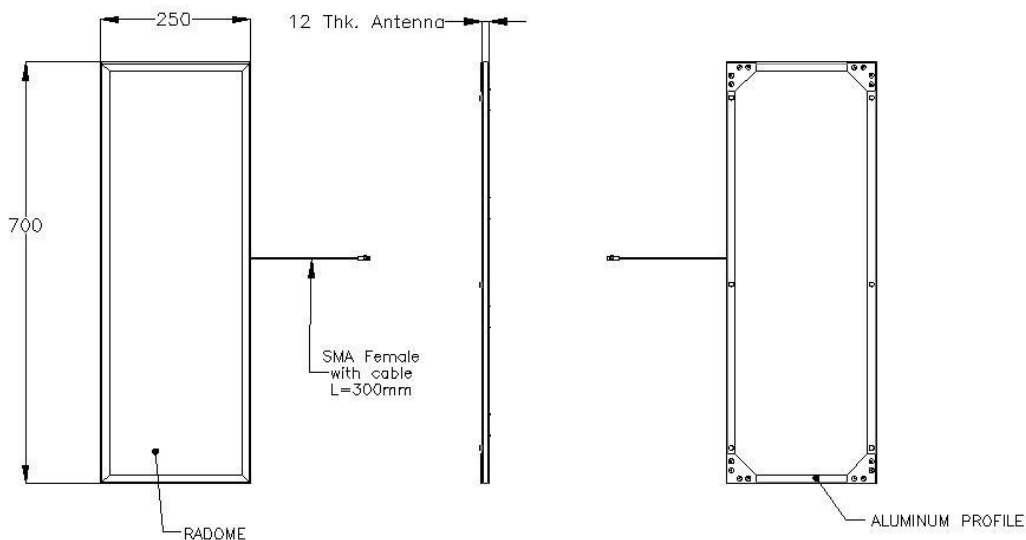
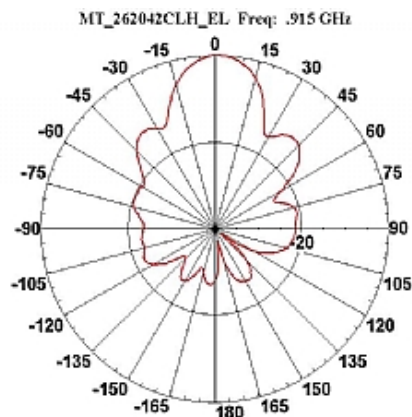
TEST	STANDARD	DURATION	TEMPERTURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-20°C	
HIGH TEMPERATURE	IEC 68-2-2	72 h	+55°C	
TEMP. CYCLING	IEC 68-2-14	1 h	-20°C +55°C	3 Cycles
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h		95%

WATER TIGHTNESS	IEC 529		IP54
DUST RESISTANCE			IP54
FLAMMABILITY	UL 94		Class V2
QUASI RANDOM VIBRATION			2 0g rms for 4 hours
VIBRATION	IEC 60721-3-4	30 min/axis	Random 4M3
MECHANICAL SHOCK	IEC 60721-3-4		4M3

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



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



**WAIVER!**

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