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## CIRCULAR ANTENNAS

MT - 242063/CLH

865-870MHZ & 902-928MHZ 9.0 DBIC SLIM READER ANTENNA



### ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	865-870 & 902-928 MHz
GAIN	9.0 ± 1.0 dBic
VSWR	1.5 :1 (typ) , 2 : 1(max)
POLARIZATION	LHCP
3dB ELEVATION BEAMWIDTH	65° (typ)
3dB AZIMUTH BEAMWIDTH	25° (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 (LxWxD)	773 x 310mm x 15mm (max)
CONNECTOR	SMA Female with cable (length 300 mm)
WEIGHT	2 Kg (max)
RADOME MATERIAL	Plastic
MTBF	80000 hours
BASE PLATE MATERIAL	Metallic
OUTLINE DRAWING	RD43351700C

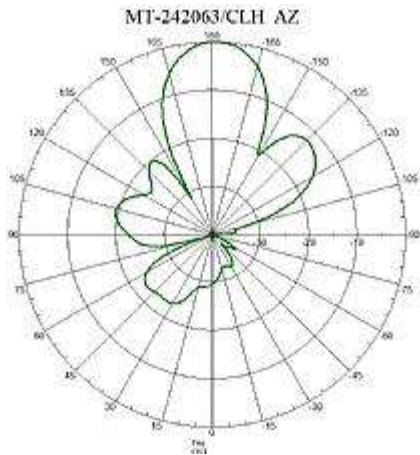
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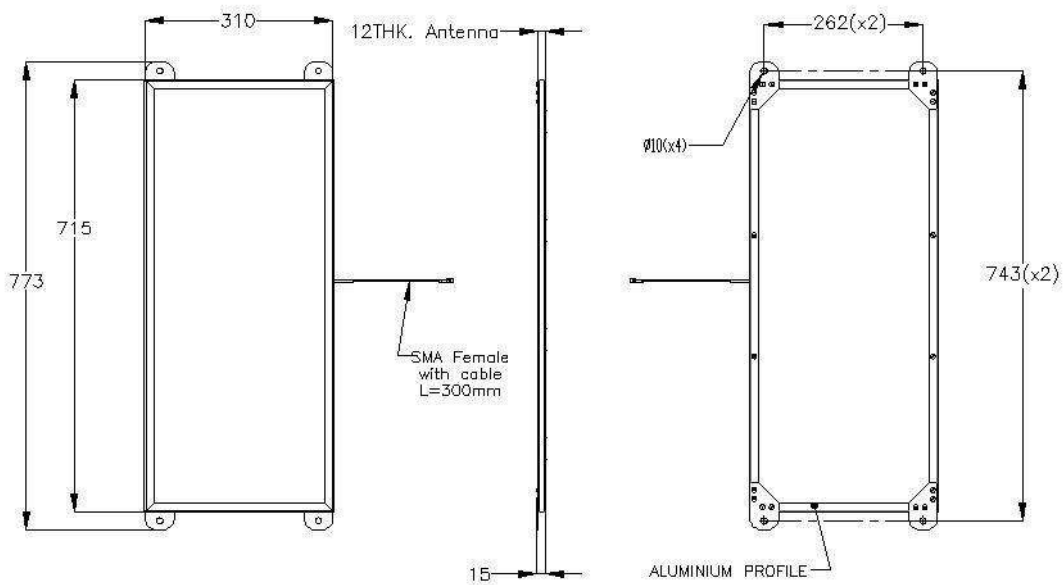
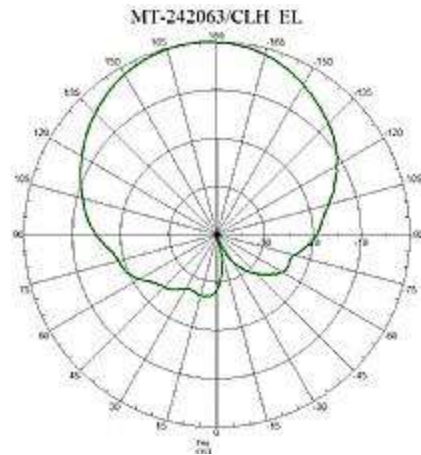
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-40°C	
HIGH TEMPERATURE	IEC 68-2-1	72 h	+71°C	
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles

HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	95%
WATER TIGHTNESS	IEC 529		IP54
FLAMMABILITY	UL 94		Class HB
VIBRATION	IEC 60721-3-4	30 min/axis	Random 4M3
MECHANICAL SHOCK	IEC 60721-3-4		4M3
OPERATION TEMPERATURE	-10 °C to 50°C		
STORAGE TEMPERATURE	-30°C to +70°C		

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



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



**WAIVER!**

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