

CIRCULAR ANTENNAS

MT-262041/TRH/A/K
865 - 928 MHZ, 5.5DBIC RHCP READER ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	865 - 928 MHz
GAIN	4.5 ± 0.5 dBic @ 865-870 MHz 5.5 ± 0.5 dBic @ 902-928 MHz
VSWR	1.3:1 (typ) 1.5 : 1(max)
POLARIZATION	RHCP
3dB ELEVATION BEAMWIDTH	85° (typ)
3dB AZIMUTH BEAMWIDTH	85° (typ)
F/B RATIO	-15 dB (typ)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
AXIAL RATIO AT BORESIGHT	2.5 dB (typ) , 4.0 dB (max) @ 865-870 MHz 1.5 dB (typ) , 2.5 dB (max) @ 902-928 MHz
LIGHTNING PROTECTION	DC Grounded

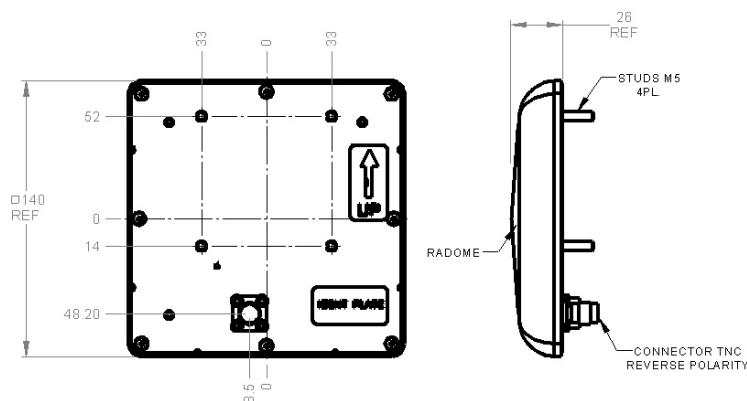
MECHANICAL

DIMENSIONS (LxWxD)	140 x 140 x26 mm (max)
CONNECTOR	Reverse Polarity TNC
WEIGHT	0.5 kg (max)
MOUNTING KIT	120018/A
RADOME MATERIAL	Plastic
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD43467700C

ENVARIOMENTAL

TEST	STANDARD	DURATION	TEMPERTURE	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
VIBRATION	IEC 60721-3-4	30 min/axis		Random4M5
SHOCK MECHANICAL	IEC 60721-3-4			4M5
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h		95%
WATER TIGHTNESS	IEC 529			IP67
SOLAR RADIATION	ASTM G53	1000h		
FLAMMABILITY	UL 94			Class HB
SALT SPRAY	IEC 68-2-11 Ka	500h		
ICE AND SNOW				25mm Radial
WIND SPEED SURVIVAL OPERATION				220 Km/h 160 Km/h
WIND LOAD (SURVIVAL)				5.6 kg
FRONT THRUST				0.8 kg
SIDE THRUST				

*For outdoor installations that require mounting the antenna horizontally facing ground, please contact MTI representative for the dedicated P/N



WAIVER!

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