

MT-242017/NRH/K
865 - 870MHz, 10 dBic RHCP READER ANTENNA

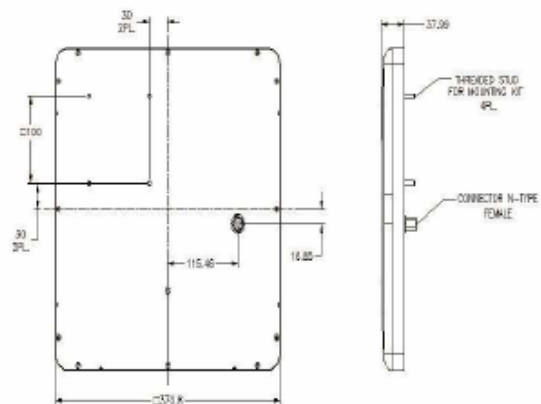
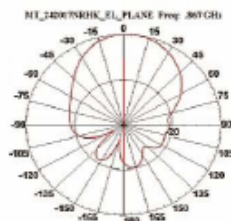


ELECTRICAL		ENVIRONMENTAL				
REGULATORY COMPLIANCE	RoHS, CE 0682	TEST	STANDARD	DURATION	TEMPERATURE	NOTES
FREQUENCY RANGE	865-870 MHz	LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	
GAIN	10 dBic (min) 11 dBic (max)	HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	
VSWR	1.3:1 (max)	TEMP. CYCLING	IEC 68-2-14	1 h	-45°C/+70°C	3 Cycles
POLARIZATION	RHCP	VIBRATION	IEC 60721-3-4	30 min/axis		Random#M3
3DB ELEVATION BEAMWIDTH	48° (typ)	SHOCK MECHANICAL	IEC 60721-3-4			4M3
3DB AZIMUTH BEAMWIDTH	60° (typ)	HUMIDITY	ETSI EN300-2-4 T4.1E	144 h		99%
SIDELOBES LEVEL @ ± 90°	-12 dB (max)	WATER TIGHTNESS	IEC 529			IP67
F/B RATIO	-20 dB (max)	SOLAR RADIATION	ASTAM G53	1000h		
POWER	6W (max)	SALT SPRAY	IEC 68-2-11 Ka	500h		
INPUT IMPEDANCE	50 (ohm)	ICE AND SNOW				25mm Radial
AXIAL RATIO AT BORESIGHT	2 dB (max) 1 dB (typ)	WIND SPEED SURVIVAL OPERATION				220 Km/h 160 Km/h
LIGHTNING PROTECTION	DC Grounded	WIND LOAD (SURVIVAL) FRONT THRUST SIDE THRUST				39.1 kg 4.2 kg
MECHANICAL						
DIMENSIONS (LXWXD)	371 x 371 x 38mm (max)					
CONNECTOR	N-Type Female					
WEIGHT	1.6 kg (max)					
MOUNTING KIT	SEE RD41191800C, MT-120018					
RADOME MATERIAL	Plastic					
OUTLINE DRAWING	RD43010900C					
ORIENTATION	Rectangular					

AZIMUTH RADIATION PATTERN MIDBAND
 FREQ. 0.867 GHz



ELEVATION RADIATION PATTERN MIDBAND
 FREQ. 0.867 GHz



RD43010900C