MT-262024/TRH/A/K
902 - 928 MHz, 7.5 dBi RHCP READER ANTENNA

ELECTRICAL

REGULATORY COMPLIANCE
RoHS, CE 0682

FREQUENCY RANGE
902 - 928 MHz

GAIN
7.5 dBic (min)

VSWR
1.3 :1 (typ) , 1.5 : 1(max)

POLARIZATION
RHCP

3DB ELEVATION BEAMWIDTH
72° (typ)

3DB AZIMUTH BEAMWIDTH
77° (typ)

F/B RATIO
-14 dB (typ)

POWER
6W (max)

INPUT IMPEDANCE
50 (ohm)

AXIAL RATIO AT BORESIGHT
3.5 dB (max)

AXIAL RATIO @ ± 20°
3.5dB (typ) 4dB (max)

LIGHTNING PROTECTION
DC Grounded

MECHANICAL

DIMENSIONS (LXWXD)
190 x 190 x 30mm (max)

CONNECTOR
TNC female Reverse polarity

WEIGHT
0.8 (Kgs) (max)

MOUNTING KIT
SEE RD41191800C

RADOME MATERIAL
Plastic

BASE PLATE MATERIAL
Aluminum with chemical conversion coating

OUTLINE DRAWING
RD42241100C

ENVIRONMENTAL

TEST
STANDARD
DURATION TEMPERATURE 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

THERMAL SHOCK
NONO-OPERATING
-30°C to+70°C
Ramp 30°C/min

HUMIDITY
ETSI EN300-2-4
T4.1E
144 h
95%
**WATER TIGHTNESS**  |  IEC 529  |  IP67
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**DUST RESISTANCE**  |  ASTM G53  |  IP67
**SOLAR RADIATION**  |  ETSI 300  |  1000h
**OZONE RESISTANCE**  |  UL 94  |  Class HB
**FLAMMABILITY**  |  IEC 68-2-1 Ka  |  500 h
**SALT SPRAY**  |  20g rms for 4 hours
**QUASI RANDOM VIBRATION**  |  1 grms, 10-500 Hz, in 3 axis  |  6 hours total, 2 hr in each axis. Accelerated wear – an additional 50hrs in worst case axis.
**VEHICLE VIBRATION OPERATING**  |  10g, 11msec, half sine pulse
**MECHANICAL SHOCK OPERATING**  |  0.915 GHz
**AZIMUTH RADIATION PATTERN MIDBAND**  |  0.915 GHz
**ELEVATION RADIATION PATTERN MIDBAND**  |  0.915 GHz

**WAIVER!**

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