



## MT-263018/TRLH/A 902-928 MHz, 10 dBic DUAL RHCP+LHCP READER



### ELECTRICAL

<b>FREQUENCY RANGE</b>	902-928 MHz
<b>GAIN</b>	10 dBic (min)
<b>VSWR</b>	1.5 : 1 (max) 1.3 : 1 ( typ)
<b>POLARIZATION</b>	DUAL RHCP+LHCP
<b>3DB ELEVATION BEAMWIDTH</b>	40° (typ)
<b>3DB AZIMUTH BEAMWIDTH</b>	65° (typ)
<b>SIDELOBES LEVEL @ ± 90°</b>	-14 dB (max)
<b>F/B RATIO</b>	-25dB (max)
<b>PORT TO PORT ISOLATION</b>	-35 dB (min)
<b>POWER</b>	6W (max)
<b>INPUT IMPEDANCE</b>	50 (ohm)
<b>AXIAL RATIO AT BORESIGHT</b>	1.5 dB (typ) 2 dB (max)
<b>LIGHTNING PROTECTION</b>	DC Grounded
<b>MECHANICAL</b>	
<b>DIMENSIONS (LXWXD)</b>	920x325x34mm (max)
<b>CONNECTOR</b>	2 x TNC Female Reverse polarity
<b>WEIGHT</b>	4 kg (max)
<b>MOUNTING KIT</b>	SEE RD41191800C
<b>RADOME MATERIAL</b>	Plastic UV Resistant per ETSI 300
<b>BASE PLATE MATERIAL</b>	Aluminum with chemical conversion coating
<b>ORIENTATION</b>	Rectangular

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### ENVIRONMENTAL

TEST	STANDARD	DURATION	TEMPERTURE	NOTES
<b>LOW TEMPERATURE</b>	IEC 68-2-1	72 h	-55°C	
<b>HIGH TEMPERATURE</b>	IEC 68-2-2	72 h	+71°C	
<b>TEMP. CYCLING</b>	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
<b>THERMAL SHOCK NONO- OPERATING</b>			-30°C to+70°C	Ramp 30°C/min
<b>HUMIDITY</b>	ETSI EN300-2-4 T4.1E	144 h		95%
<b>WATER TIGHTNESS</b>	IEC 529			IP54

**DUST  
RESISTANCE**

IP54

**SOLAR RADIATION** ASTM G53 1000h**OZONE  
RESISTANCE** ETSI 300**FLAMMABILITY** UL 94 Class HB**QUASI RANDOM  
VIBRATION** 20g rms for 4 hours**VEHICLE  
VIBRATION  
OPERATING** 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.**MECHANICAL  
SHOCK  
OPERATING** 10g, 11msec, half  
sine pulse**MTI Wireless Edge Ltd.****11 Hamelacha St. Afek Industrial Park Rosh Ha'ayin 48091, Israel**  
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