

# MT-241024/SLH

902 – 928 MHz 3 dBic LHCP Embedded Antenna

## Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	902 – 928 MHz
Gain	2.5 ± 0.5 dBic
VSWR	1.3:1 typ, 1.5:1 max
3 dB Beam Width	Azimuth: 77° typ Elevation: 77° typ
Polarization	LHCP
Axial Ratio @ Boresight	3 dB typ, 4 dB max
F/B Ratio	-15 dB typ
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions L x W x D	90 x 90 x 15 * mm max
Weight	200 gr max
Connector	SMA - Female

## 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 to +70°C	3 Cycles
Thermal Shock Non-Operating			-30°C to +70°C	Ramp 30°C/min
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Flammability	UL 94			Class HB
Quasi Random Vibration				20 g rms for 4 hours
Vehicle Vibration Operating	1g rms, 10-500 Hz, in 3 axis	6 hours total, 2 h in each axis.	Accelerated wear – an additional 50 h in worst case axis.	
Mechanical Shock Operating	10g, 11 msec, half sine pulse			

\*All Performance Above Are Without Radome. Dimensions Do Not Include the Connector.