

PRO-IS-589

Request Samples (S)



Check Inventory (>)



75.0 x 8.0 x 0.8mm **RoHS/RoHS II Compliant** MSL Level = 1

Features

- Compact
- Thickness of 0.8 mm
- **Linear Polarization**
- Gain of 4.1 dBi
- Efficiency > 66% (Lower Band), 26% (Upper Band)
- Easy integration using cable and connector
- Customizable cable and Connector options

Applications

- Cellular 2G/3G/GSM and NB-IoT applications
- IoT/ M2M
- Automation/ Smart Home
- Healthcare Devices
- Hand-free/ PC Peripherals
- Remote monitoring/ Video and surveillance

Product Image







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Electrical Specification

Parameter	Specification		Unit
Operating Frequency	791 ~ 960	1710 ~ 1990	MHz
Return Loss	< -7.7	< -4.5	dB
Polarization	Linear		
Peak Gain	4.1	2.8	dBi
Efficiency	>66	>26	%
Impedance	50	50	Ω

Mechanical Specification

Parameter	Specification	
Antenna Dimension	75 x 8 x 0.8 mm	
Cable Type	Coaxial	
Cable length	64 mm	
Connector Type	MHF-4 (F)	
Mounting Type	Adhesive	

Environmental Specification

Parameter	Specification	
Operating Temperature	-40°C to +85°C	
MSL Level	1	
RoHS/RoHS II Compliant	Yes	





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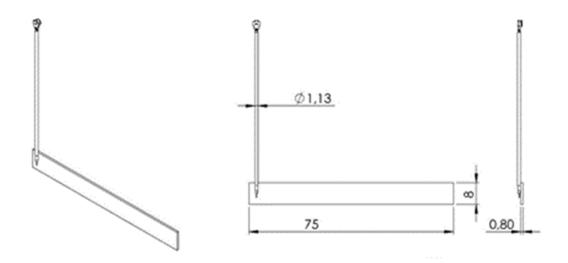


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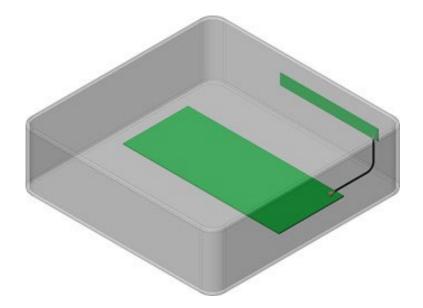
Product Dimensions



Unit: mm

Measurement Setup

The antenna measurements were done on a standard measurement fixture - the antenna mounted in an ABS plastic box, 150x150x45 mm, connected to a PCB, 120x50 mm, with the cable fully extended





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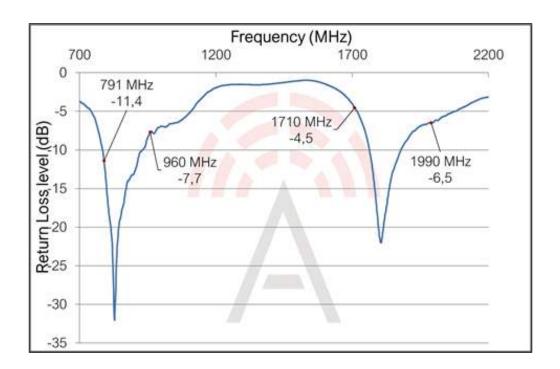


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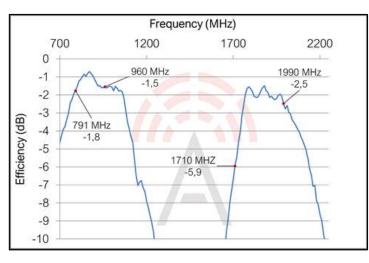
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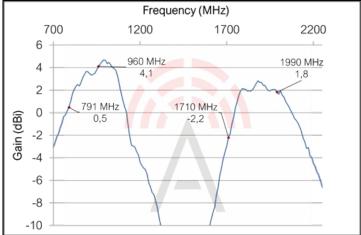
Return Loss



Total Radiation Efficiency

Maximum Radiation Gain









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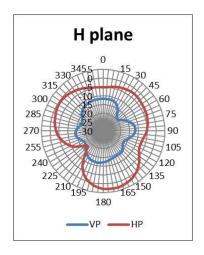


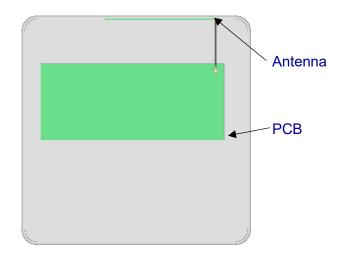
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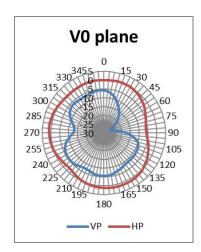


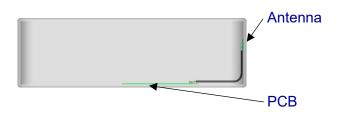
75.0 x 8.0 x 0.8mm **RoHS/RoHS II Compliant** MSL Level = 1

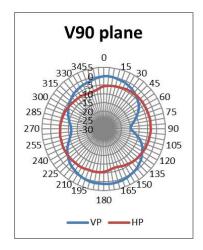
Radiation Characteristics - 2D Pattern (870 MHz)

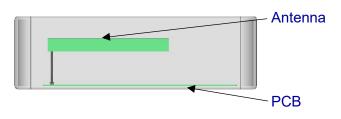
















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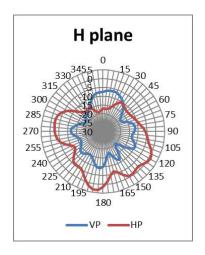


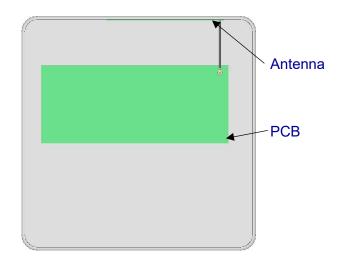
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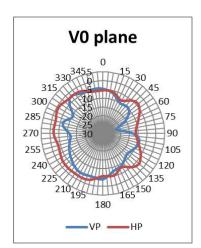


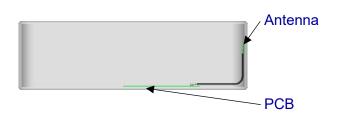
75.0 x 8.0 x 0.8mm **RoHS/RoHS II Compliant** MSL Level = 1

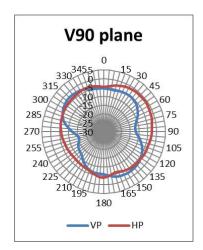
Radiation Characteristics - 2D Pattern (1850 MHz)

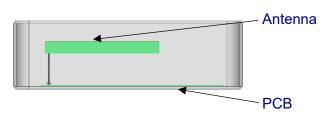
















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Packaging Information

Pieces per bag: 100 pieces

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