ISM 900MHz Helical SMD-Antenna

Ground cleared under antenna, clearance area 8.00 x 40.00 mm. Pulse Part Number: W3113



Features

- Low profile (2.5mm, embedded to board)
- Compact size W \times L \times H (12.4 \times 8 \times 2.5 mm)
- Low weight (400 mg)
- Lead Free materials
- Fully SMD compatible
 - Glue needed between antenna and PWB
- Lead free soldering compatible
- Tape and reel packing
- RoHS Compliant Product

Applications

- 900MHz ISM Band Systems Engineering samples available

Electrical specifications @ +25 °C

Note: Electrical characteristics depend on test board (GP) size and antenna positioning on GP and Ground Clearance area size.

ISM 900MHz

Typical performance (testboard size 100 x 40 mm, PWB ground clearance area 8.00 x 40.00 mm)

Frequency Range	Max Gain	Efficiency	Return loss	Impedance $[\Omega]$	Operating
[MHz]	[dBi]	[%] / [dB]	min. [dB]		Temperature [°C]
902 – 928	0.8 (peak) -0.3 (band edges)	66 / -1.8 (peak) 51 / -2.9 (band edges)	-10	50	-40 to +85

Takatie 6

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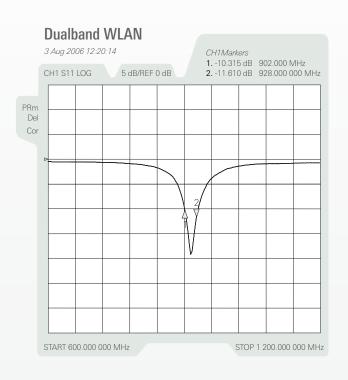
Ground cleared under antenna, clearance area 8.00 x 40.00 mm. Pulse Part Number: W3113

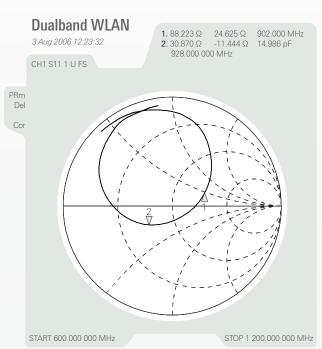
Typical Electrical Characteristics (T=25 °C)

Typical Return Loss S11/ impedance,

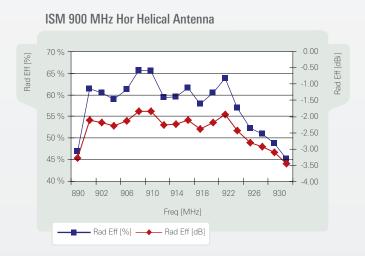
measured on the 100 x 40 mm test board with matching circuit

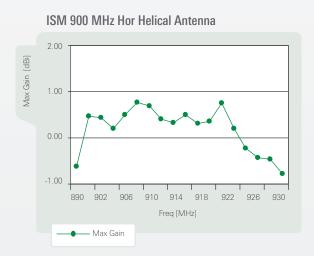






Free space efficiency and maximum gain, PWB ground clearance area 8.00 x 40.00 mm





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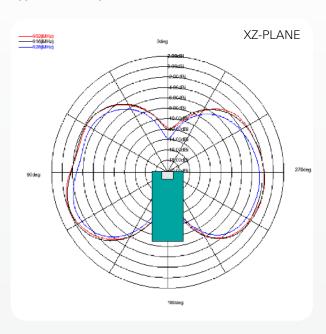
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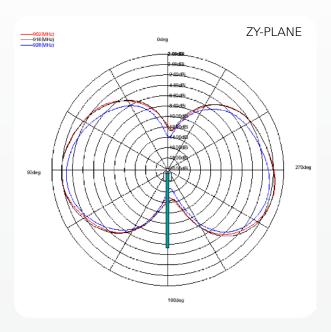


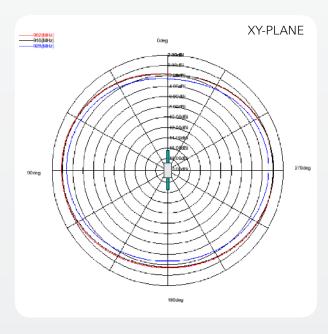
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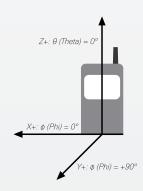
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Typical Free space Radiation Patterns









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