

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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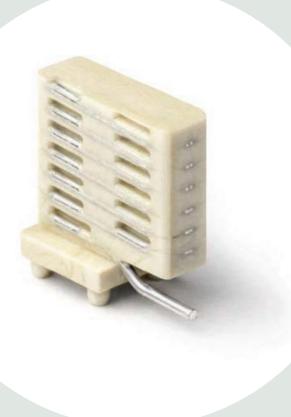






850 MHz RX Diversity Helical SMD Antenna

Ground cleared under antenna, clearance area 6.00 x 11.00 mm. Pulse Part Number: W3118A



Features

- Vertical mount on board
- Compact size W x L x H (2.5 x 8 x 8 mm)
- Low weight (390 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

- GSM 850 Band
- 869-894 MHz

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	Linear	Efficiency	Return	Impedance	Operating
Range [MHz]	Max Gain [dBi]	[%] / [dB]	Loss min. [dB]	[Ω]	Temperature [°C]
869 – 894	0 (peak) -1.4 (band edges)	52 / -2.9 (peak) 38 / -4.2 (band edges)	-9	50	-40 to +85

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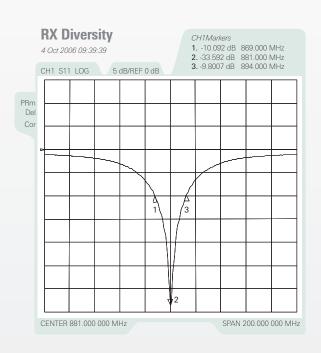
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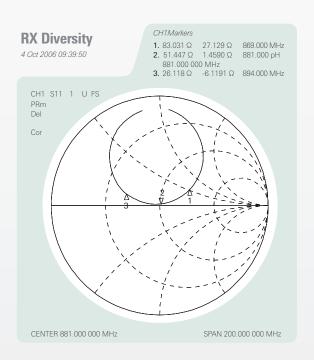
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Typical Electrical Characteristics (T=25 °C)

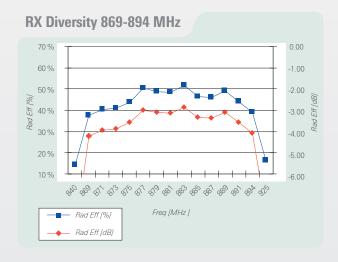
Measured on the 100×40 mm test board with matching circuit Typical Return Loss S11/ impedance

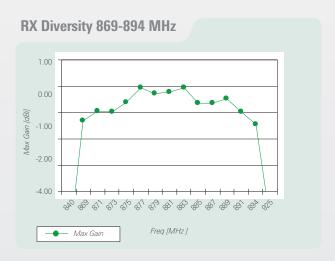






Free space efficiency and maximum gain





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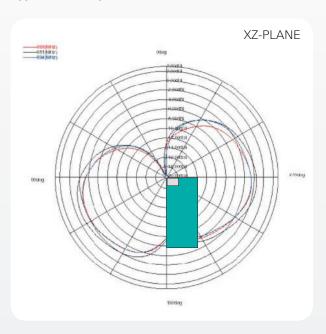
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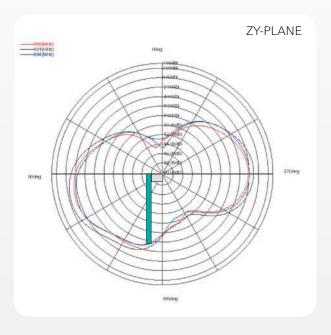


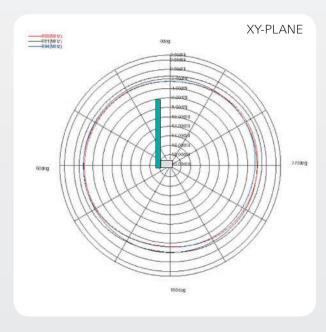
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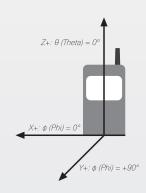
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Typical Free space Radiation Patterns









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