



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



850 MHz RX Diversity Helical SMD Antenna

Ground cleared under antenna, clearance area 8.00 x 40.00 mm. *Pulse Part Number: W3117*

Features

- Low profile (2.5 mm, embedded to board)
- Snap in fixing to board
- Compact size W x L x H (12.4 x 8 x 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

- 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.

RX Diversity 850 MHz

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

Frequency Range [MHz]	Linear Max Gain [dBi]	Efficiency [%] / [dB]	Return Loss min. [dB]	Impedance [Ω]	Operating Temperature [°C]
869 – 894	0 (peak) -1.3 (band edges)	55 / -2.6 (peak) 40 / -4 (band edges)	-9	50	-40 to +85

Pulse Finland Oy

Takatie 6
90440 Kempele, Finland
Tel: +358 207 935 500
Fax: +358 207 935 501
www.pulseeng.com/antennas

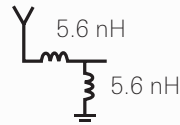


850 MHz RX Diversity Helical SMD Antenna

Ground cleared under antenna, clearance area 8.00 x 40.00 mm

Typical Electrical Characteristics (T=25 °C)

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



Typical Return Loss S11/ impedance

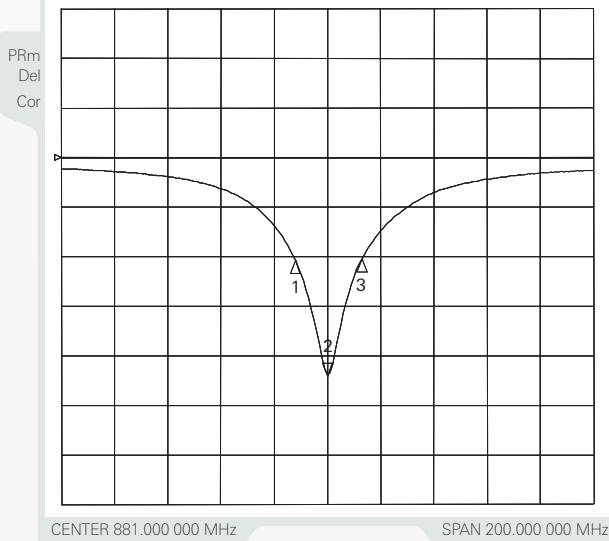
RX Diversity

4 Oct 2006 14:52:08

CH1 Markers

- 1. -10.379 dB 869.000 MHz
- 2. -22.048 dB 881.000 000 MHz
- 3. -10.204 dB 894.000 MHz

CH1 S11 LOG 5 dB/REF 0 dB



RX Diversity

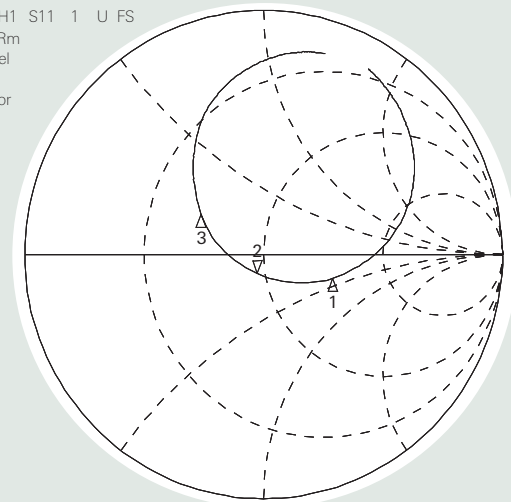
24 Aug 2006 12:31:19

CH1 Markers

- 1. 88.105 Ω -19.090 Ω 869.000 MHz
- 2. 46.920 Ω -7.2852 Ω 24.797 pF 881.000 000 MHz
- 3. 27.967 Ω 10.135 Ω 894.000 MHz

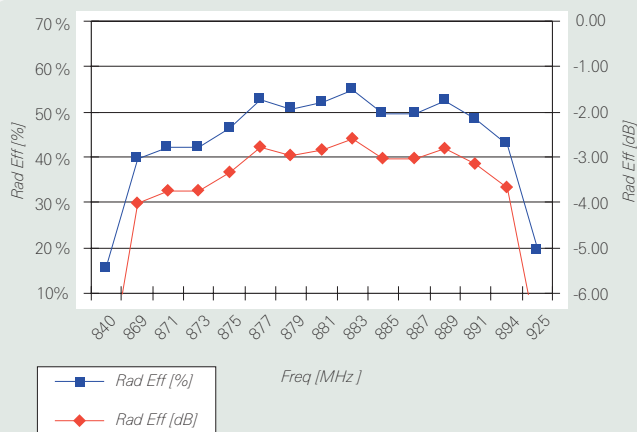
CH1 S11 1 U FS

PRm Del Cor

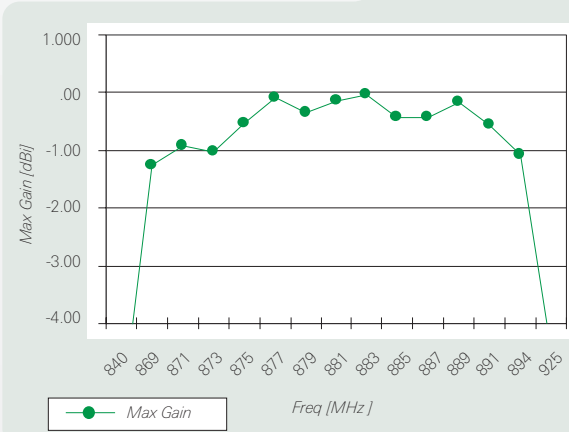


Free space efficiency and maximum gain

RX Diversity 869-894 MHz



RX Diversity 869-894 MHz



Pulse Finland Oy

Takatie 6

90440 Kempele, Finland

Tel: +358 207 935 500

Fax: +358 207 935 501

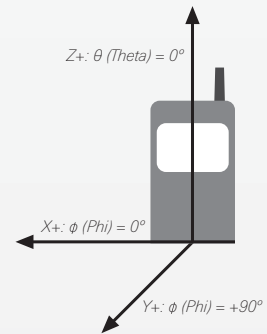
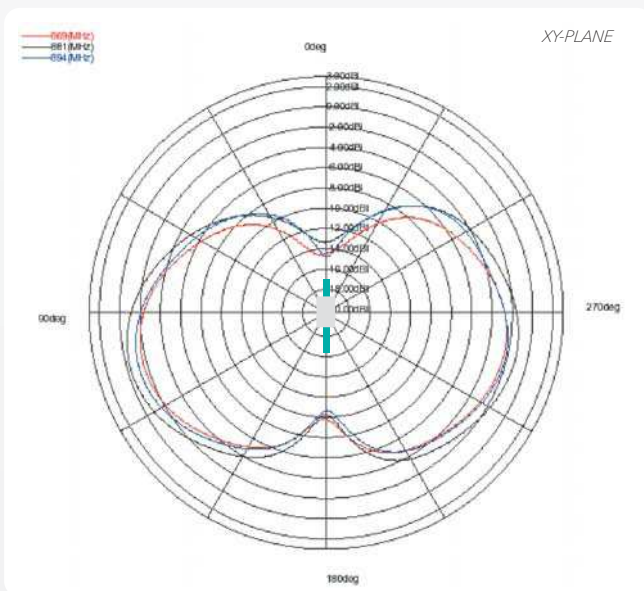
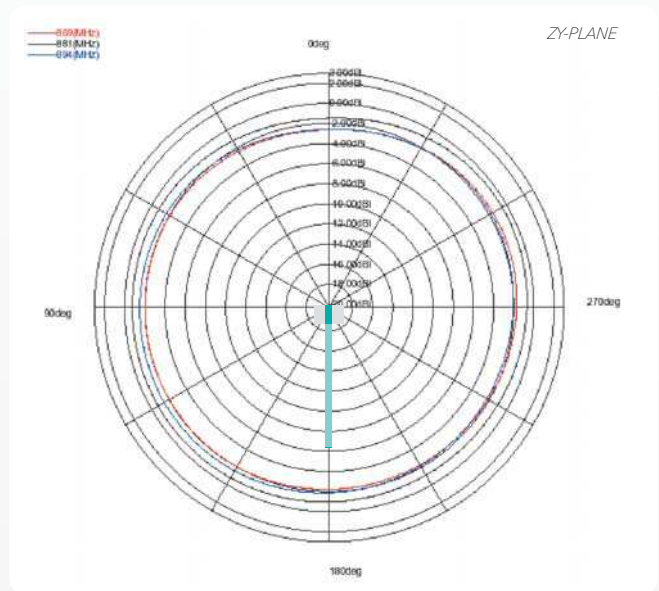
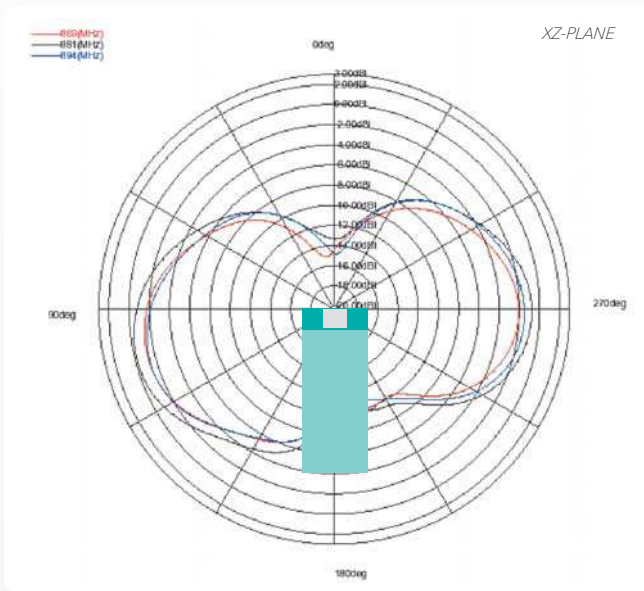
www.pulseeng.com/antennas



850 MHz RX Diversity Helical SMD Antenna

Ground cleared under antenna, clearance area 8.00 x 40.00 mm

Typical Free Space Radiation Patterns



Pulse Finland Oy

Takatie 6
90440 Kempele, Finland
Tel: +358 207 935 500
Fax: +358 207 935 501
www.pulseeng.com/antennas

