

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







Ground cleared under antenna, clearance area 8.50x40.00 mm. Pulse Part Number: W3127



Features

- Plastic supported helical antenna
- Size (helix): Length 35.35mm, ø 7mm
- Low weight (1.8g)
- Mounting on top of the PWB
- Through hole mechanical support pegs
- Feed contact by soldering via PWB hole
- Tray packing
- RoHS Compliant Product

Applications

- Remote controls, toys etc.
- 433MHz ISM Band Systems

Electrical specifications @ +25 °C

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

ISM 433MHz

Typical performance (test board size 100x40 mm, PWB ground clearance area 8.50 x40.00 mm), tuning and matching circuit: tuning 12nH series, matching 6.8nH shunt for Pulse standard evaluation board.

Frequency Range	Max Gain	Return loss	Impedance $[\Omega]$	Operating
[MHz]	[dBi]	min. [dB]		Temperature [°C]
433 – 435	-2.9	-15	50	-40 to +85

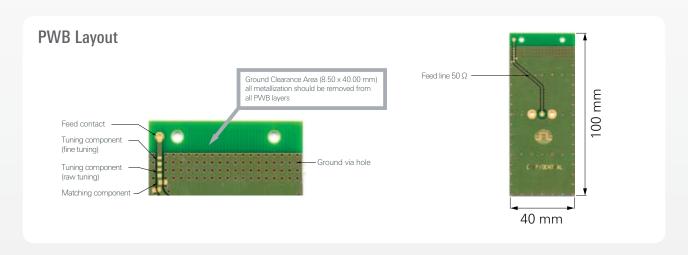
Takatie 6

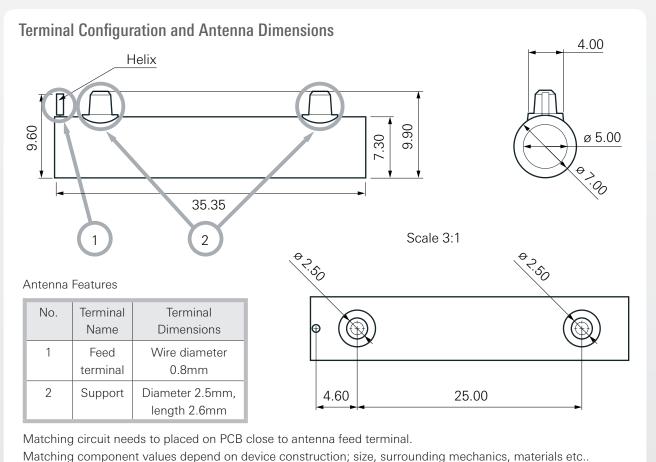
90440 Kempele, Finland Tel: +358 207 935 500 Fax: +358 207 935 501 www.pulseeng.com/antennas



Ground cleared under antenna, clearance area 8.50x40.00 mm. Pulse Part Number: W3127

Terminal Configuration





Pulse Finland Oy

Takatie 6 90440 Kempele, Finland

Tel: +358 207 935 500 Fax: +358 207 935 501 www.pulseeng.com/antennas



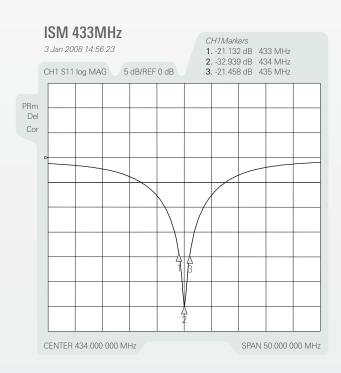
Ground cleared under antenna, clearance area 8.50x40.00 mm. Pulse Part Number: W3127

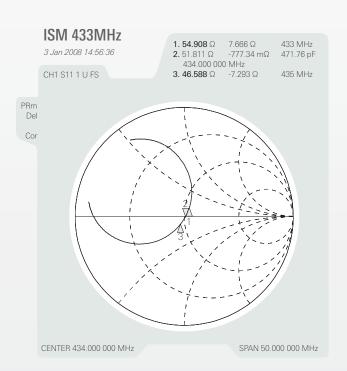
Typical Electrical Characteristics (T=25 °C)

Typical Return Loss S11/impedance,

Measured on the 100x40mm test board with tuning and matching circuit







Free space maximum gain, PWB ground clearance area 8.50 x 40.00 mm



Pulse Finland Oy

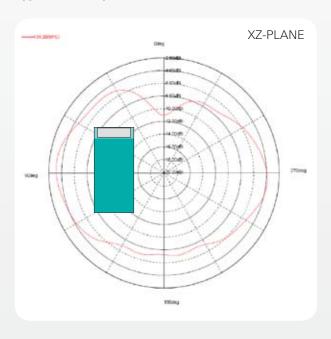
Takatie 6 90440 Kempele, Finland Tel: +358 207 935 500 Fax: +358 207 935 501

www.pulseeng.com/antennas

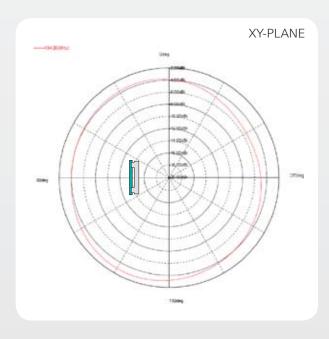


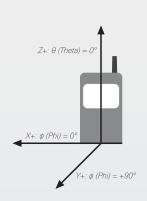
Ground cleared under antenna, clearance area 8.50x40.00 mm. Pulse Part Number: W3127

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

