Ground cleared under antenna 4.00 x 4.25 mm. Pulse Part Number: W3017



Features

- Omni directional radiation
- Low profile
- Compact size W x L x H (3.2 x 1.6 x 1.1 mm)
- Low weight (33 mg)
- Lead free materials
- Fully SMD compatible
- Lead free soldering compatible
- Tape and reel packing
- RoHS Compliant Product

Applications

- Satellite radio
- 2.320 2.345 GHz

Electrical specifications @ +25 °C

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

2.3GHz Satellite Radio

Typical performance (Test board size 80 x 37 mm, PWB ground clearance area 4.00 x 4.25 mm)

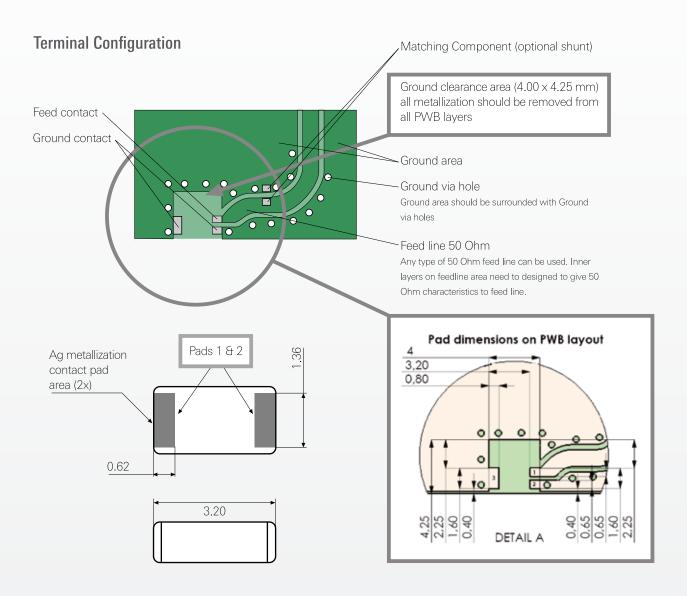
Frequency Range [MHz]	LHCP Gain [dBic]	Max Gain [dBi]	Efficiency [%] / [dB]	Return loss min. [dB]	Impedance [Ω]	Operating Temperature [°C]
2320–2345	-0.1 (Peak) -0.6 (Band edges)	2.7 (Peak) 2.4 (Band edges)	80 / -1.0 (Peak) 75 / -1.2 (Band edges)	-12	50	-40 to +85

Takatie 6

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



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Antenna features

No.	Terminal name	Terminal Dimensions
1	Feed / GND	0.62 x 1.36 mm
2	Feed / GND	0.62 x 1.36 mm

Antenna is symmetrical.

Either of terminals 1 or 2 can be feed / GND

PWB features

No.	Terminal name	Terminal Dimensions
1	Feed	0.8 x 0.65 mm
2	GND	0.8 x 0.65 mm
3	GND	0.8 x 1.60 mm

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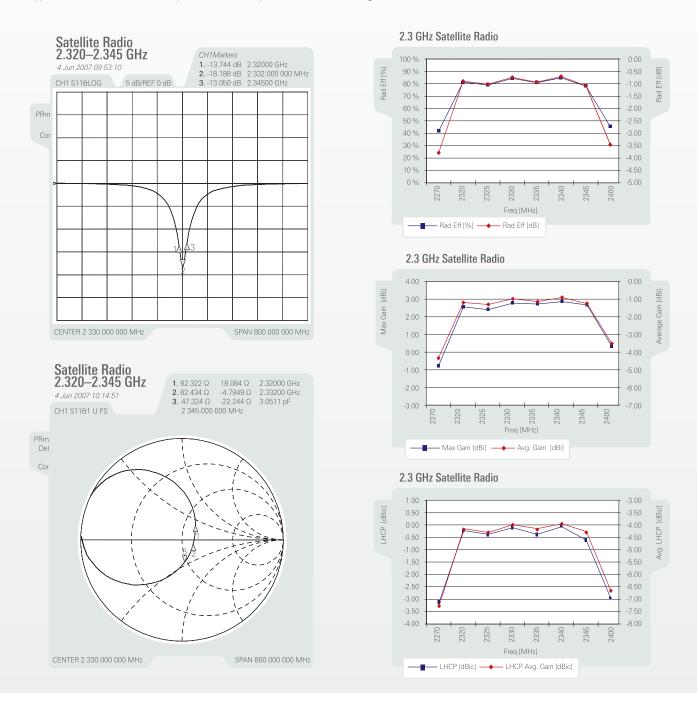
Pulse A TECHNITROL COMPANY

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Typical Electrical Characteristics (T=25 °C)

Measured on the 80 x 37 mm test board without matching circuit and in antenna position 1 on PWB layout.

Typical Return Loss S11/ impedance, free space efficiency and gain.



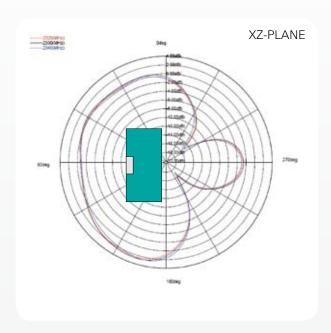
Pulse Finland Oy

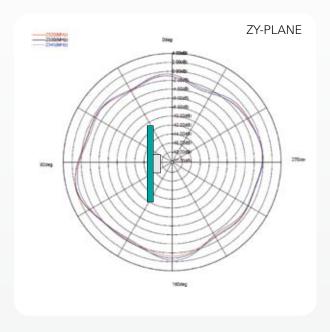
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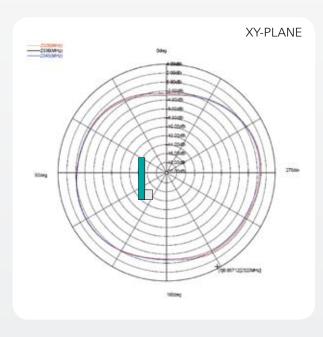


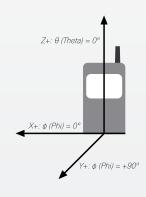
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Typical Free space Radiation Patterns









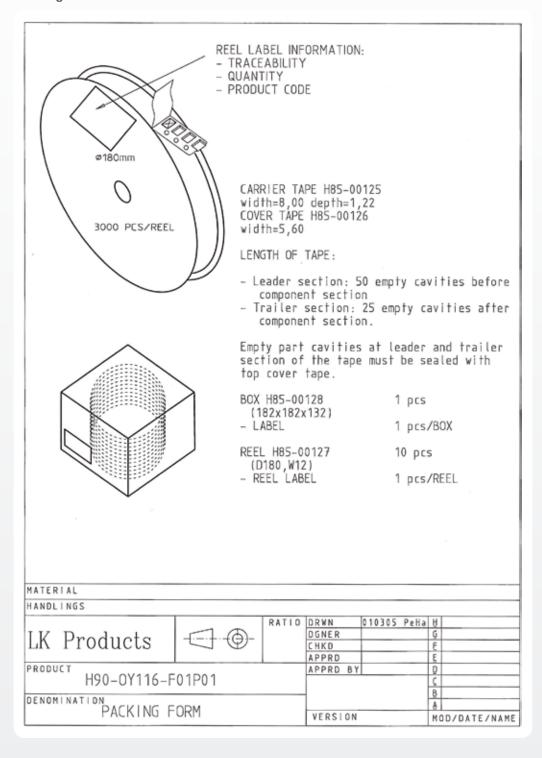
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Ground cleared under antenna 4.00 x 4.25 mm. Pulse Part Number: W3017

Packing Form



Pulse Finland Oy

Takatie 6
90440 Kempele, Finland
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