

2.3 GHz Satellite Radio Ceramic Chip Antenna

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

Pulse Finland Oy

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

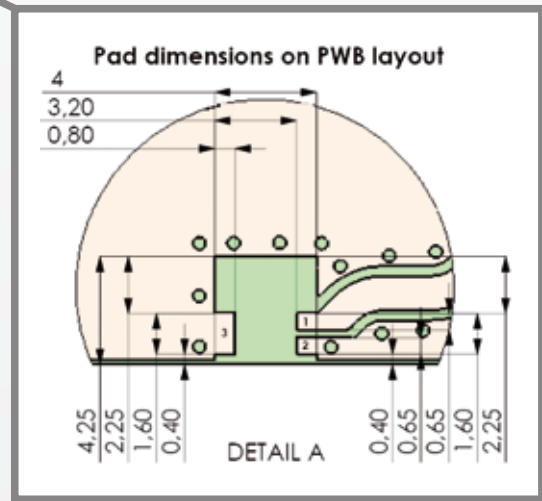
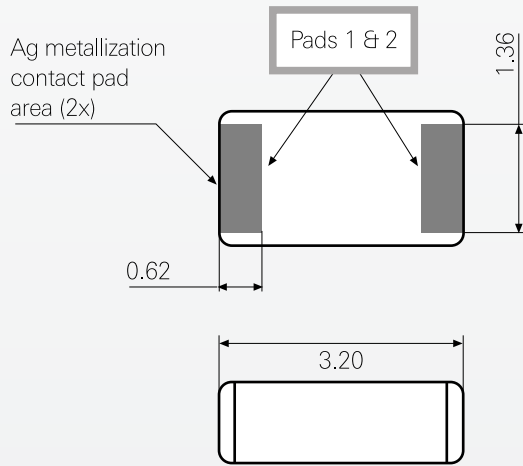
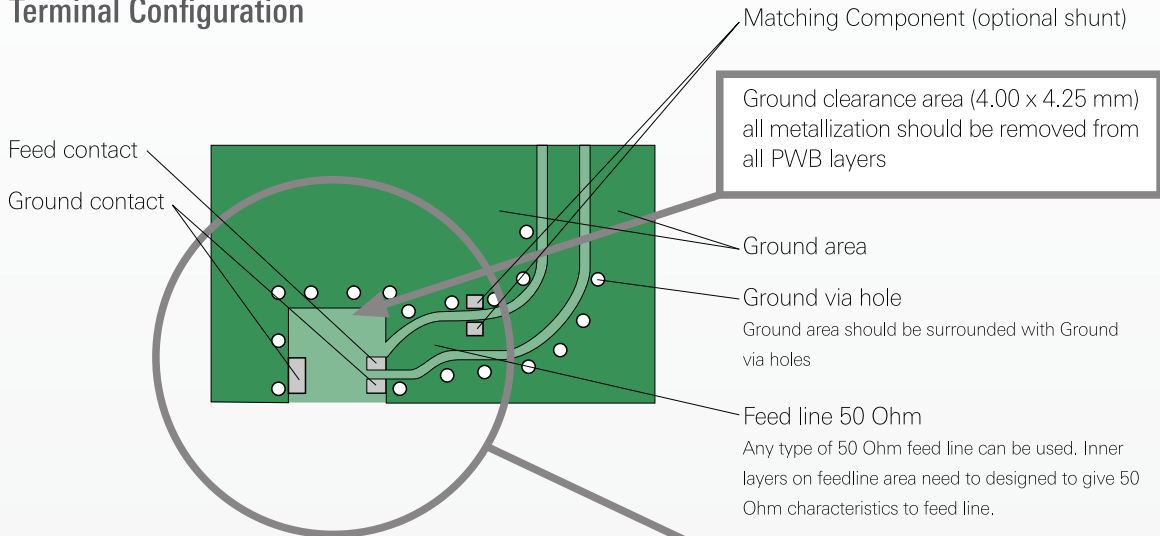
www.pulseeng.com/antennas



2.3 GHz Satellite Radio Ceramic Chip Antenna

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

Terminal Configuration



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

Pulse Finland Oy

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

www.pulseeng.com/antennas



2.3 GHz Satellite Radio Ceramic Chip Antenna

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

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.

Satellite Radio 2.320–2.345 GHz

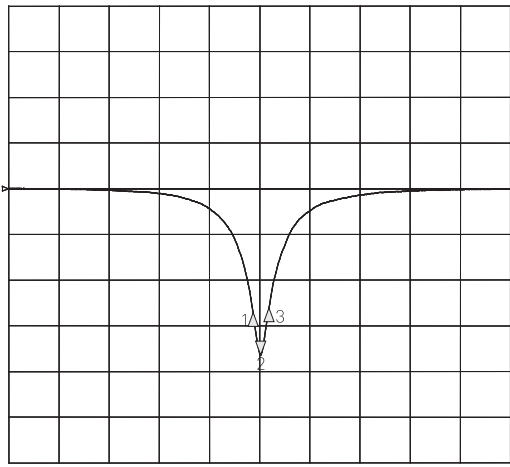
4 Jun 2007 09:53:10

CH1 Markers

- 1. -13.744 dB 2.32000 GHz
- 2. -18.188 dB 2.33200 000 MHz
- 3. -13.050 dB 2.34500 GHz

CH1 S11&LOG

5 dB/REF 0 dB



CENTER 2.330.000.000 MHz

SPAN 800.000.000 MHz

Satellite Radio 2.320–2.345 GHz

4 Jun 2007 10:14:51

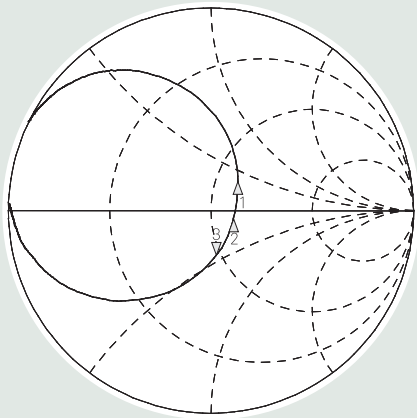
- | | | |
|-------------|-----------|-----------------|
| 1. 62.322 Ω | 18.084 Ω | 2.32000 GHz |
| 2. 62.434 Ω | -4.7949 Ω | 2.33200 GHz |
| 3. 47.324 Ω | -22.244 Ω | 3.0511 pF |
| | | 2.34500 000 MHz |

CH1 S11&I U FS

PRm

Del

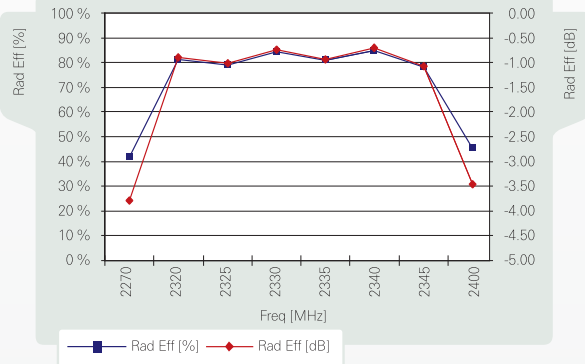
Cor



CENTER 2.330.000.000 MHz

SPAN 800.000.000 MHz

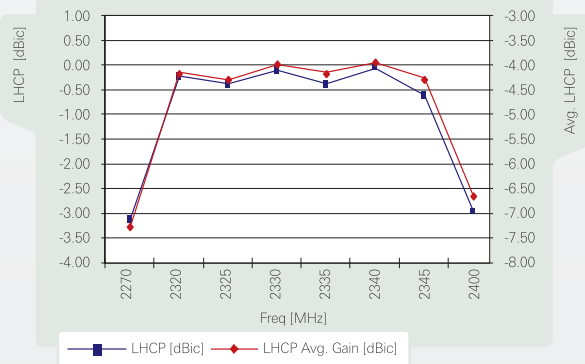
2.3 GHz Satellite Radio



2.3 GHz Satellite Radio



2.3 GHz Satellite Radio



Pulse Finland Oy

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

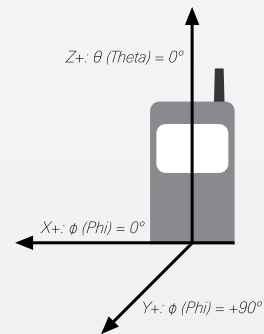
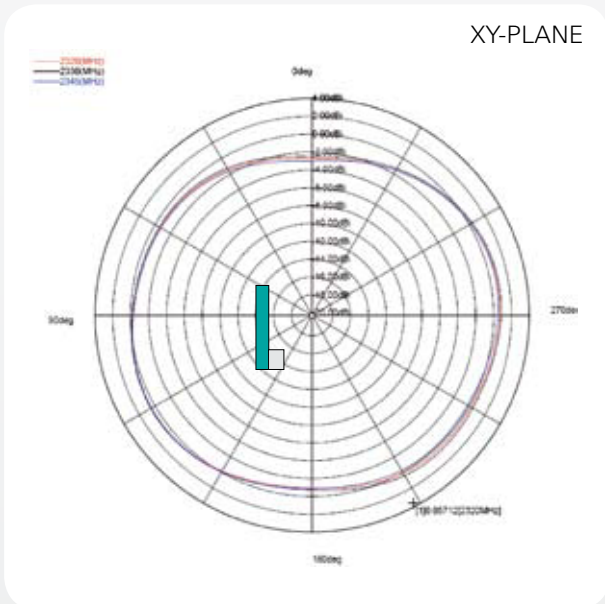
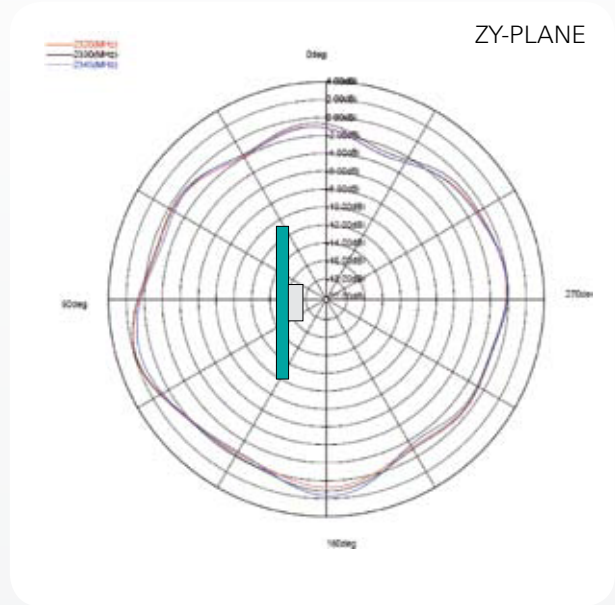
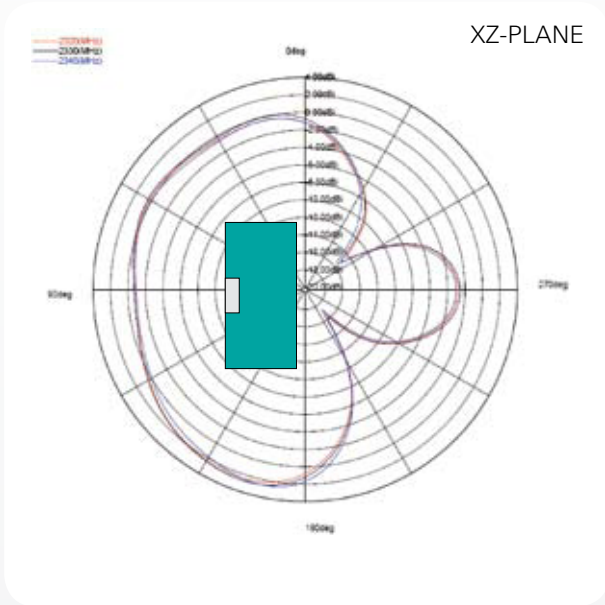
www.pulseeng.com/antennas



2.3 GHz Satellite Radio Ceramic Chip Antenna

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

Typical Free space Radiation Patterns



Pulse Finland Oy

Takatie 6
90440 Kempele, Finland

Tel: +358 207 935 500

Fax: +358 207 935 501

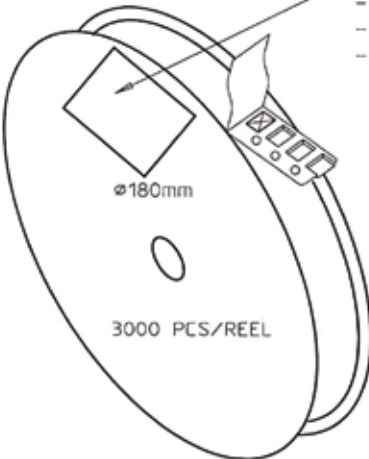
www.pulseeng.com/antennas



2.3 GHz Satellite Radio Ceramic Chip Antenna

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

Packing Form



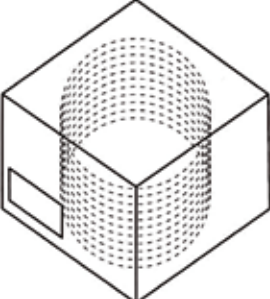
REEL LABEL INFORMATION:
 - TRACEABILITY
 - QUANTITY
 - PRODUCT CODE

ø180mm
 3000 PCS/REEL

CARRIER TAPE H85-00125
 width=8,00 depth=1,22
 COVER TAPE H85-00126
 width=5,60


LENGTH OF TAPE:
 - Leader section: 50 empty cavities before component section
 - Trailer section: 25 empty cavities after component section.

Empty part cavities at leader and trailer section of the tape must be sealed with top cover tape.



BOX H85-00128 1 pcs
 (182x182x132)
 - LABEL 1 pcs/BOX

REEL H85-00127 10 pcs
 (D180, W12)
 - REEL LABEL 1 pcs/REEL

MATERIAL			
HANDLINGS			
LK Products		RATIO	DRWN 010305 PeHa H
		DGNER	G
		CHKD	E
		APPRD	E
PRODUCT	H90-OY116-F01P01	APPRD BY	D
DENOMINATION	PACKING FORM		C
			B
			A
		VERSION	MOD/DATE/NAME

Pulse Finland Oy

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



单击下面可查看定价，库存，交付和生命周期等信息

[>>Pulse\(普思\)](#)