



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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1.575GHz GPS Ceramic Chip Antenna

(Ground cleared under antenna, clearance area **7.80 mm x 5.25 mm**)

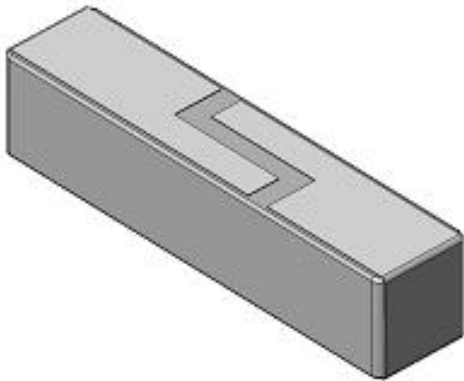
Pulse Part Number: **W3062A**

Features

- Omni directional radiation
- Low profile
- Compact size W x L x H (7 x 1.6 x 1.6 mm)
- Low weight (86 mg)
- Lead free materials
- Fully SMD compatible
- Lead free soldering compatible
- Tape and reel packing
- RoHS Compliant Product

Applications

- GPS L1 band
- 1.575 GHz



Electrical specifications @ +25 °C

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

GPS

*Typical performance (testboard size 80 x 37 mm, PWB ground clearance area **7.80 mm x 5.25 mm**)*

Frequency Range [MHz]	RHCP Gain [dBic]	Linear Max Gain [dBi]	Efficiency [%] / [dB]	Return loss min. [dB]	Impedance [Ω]	Operating Temperature [$^{\circ}\text{C}$]
1575.42 +/- 10	0 (peak) -0,5 (band edges)	2,5 (peak) 2 (band edges)	80 / -1 (peak) 75 / -1,25 (band edges)	-10	50	-40 to +85

Pulse Finland Oy

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Domicile: Kempele
Business ID: 1933992-8
firstname.lastname@pulseeng.com
www.pulseeng.com/antennas

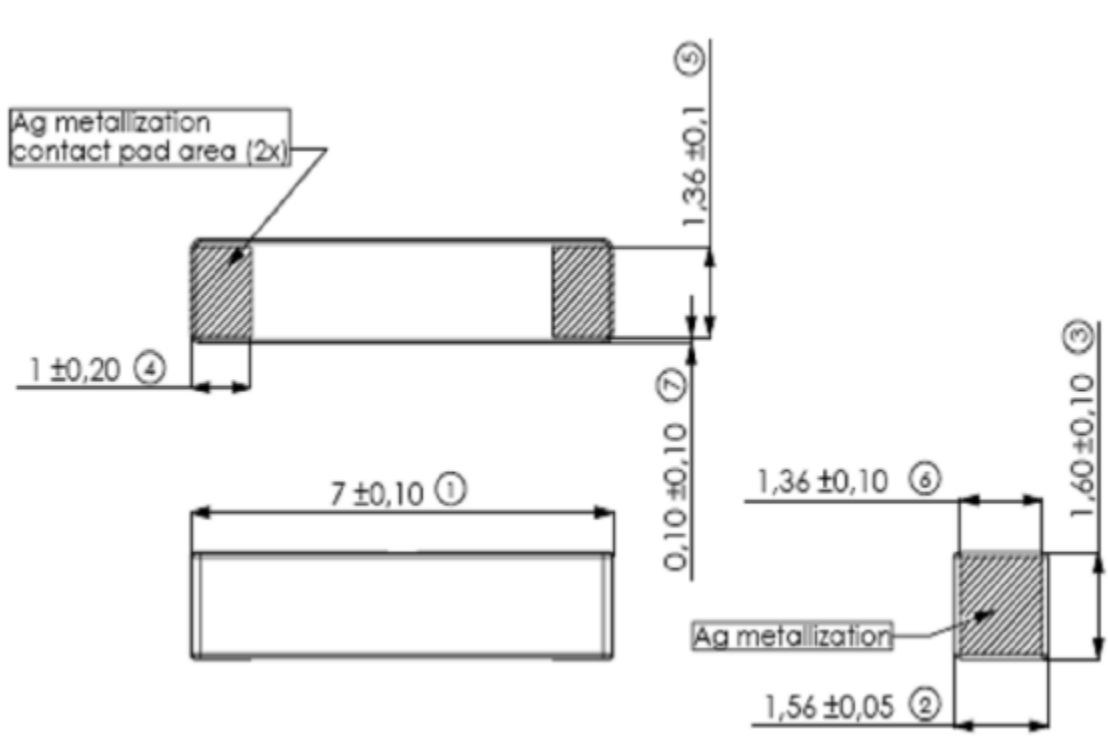


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GPS Ceramic Chip Antenna

(Ground cleared under antenna, clearance area **7.80 mm x 5.25 mm**)

terminal configuration and dimensions



Antenna features		
No.	Terminal Name	Terminal Dimensions
1	Feed / GND	1.00 x 1.36 mm
2	Feed / GND	1.00 x 1.36 mm

Antenna is symmetrical.
Either of terminals 1 or 2 can be Feed / GND

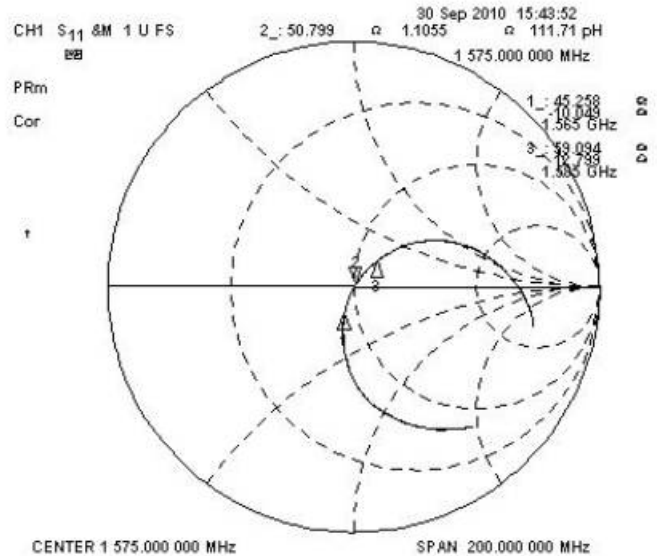
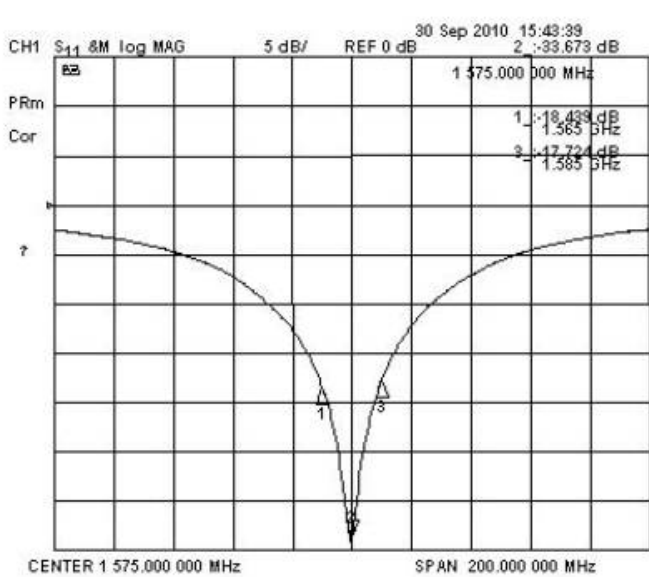
GPS Ceramic Chip Antenna

(Ground cleared under antenna, clearance area 7.80 mm x 5.25 mm)

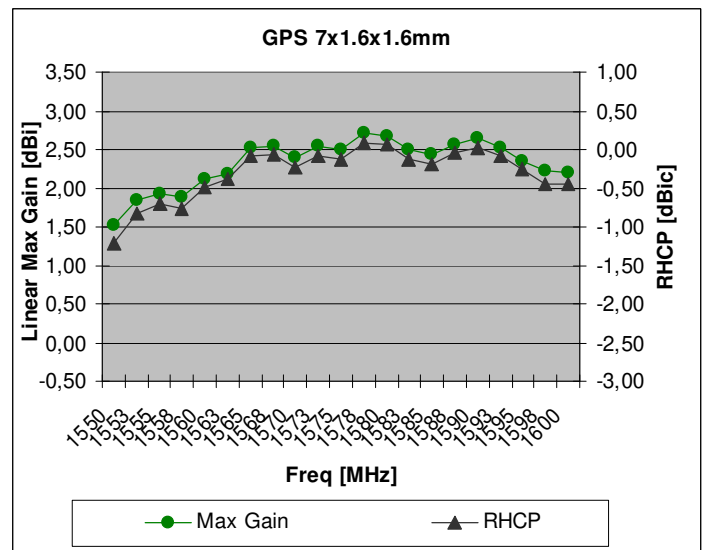
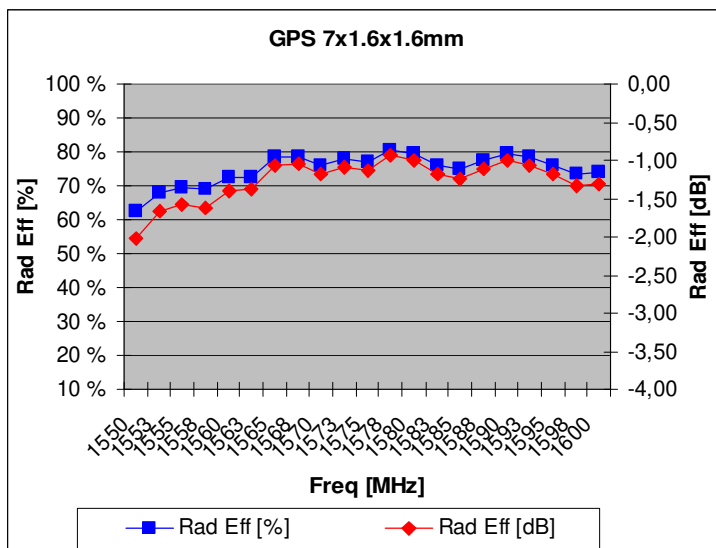
Typical Electrical Characteristics (T= 25 °C)

Measured on the 80 x 37mm test board. Matched with 2.2pF shunt capacitor

Typical Return Loss S11/ impedance



Free space efficiency, maximum gain and RHCP



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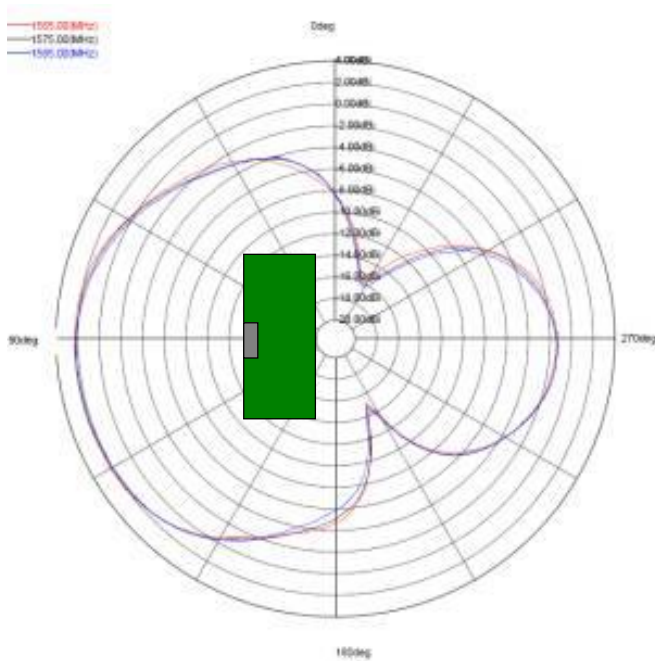


GPS Ceramic Chip Antenna

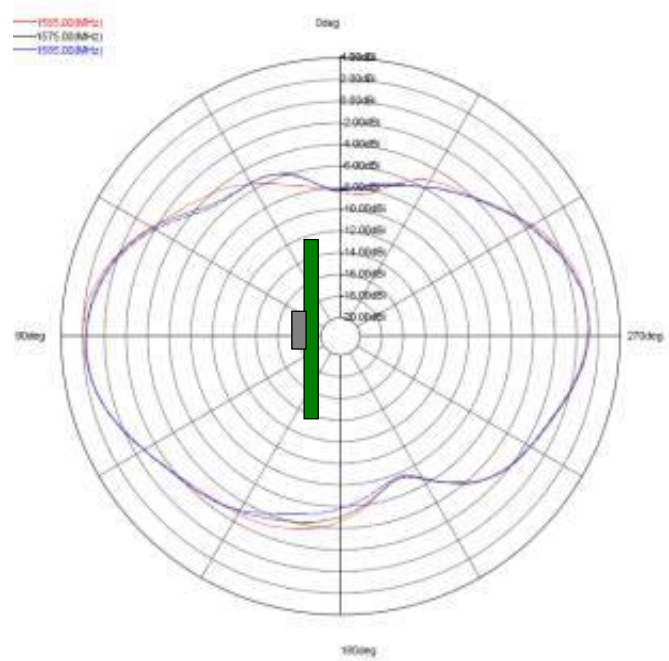
(Ground cleared under antenna, clearance area 7.80 mm x 5.25 mm)

Typical Free space Radiation Patterns

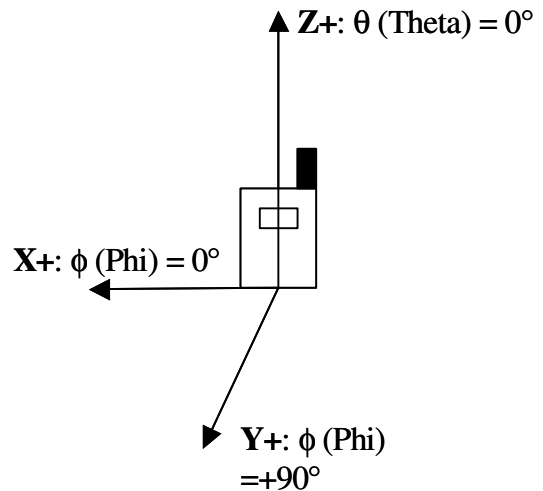
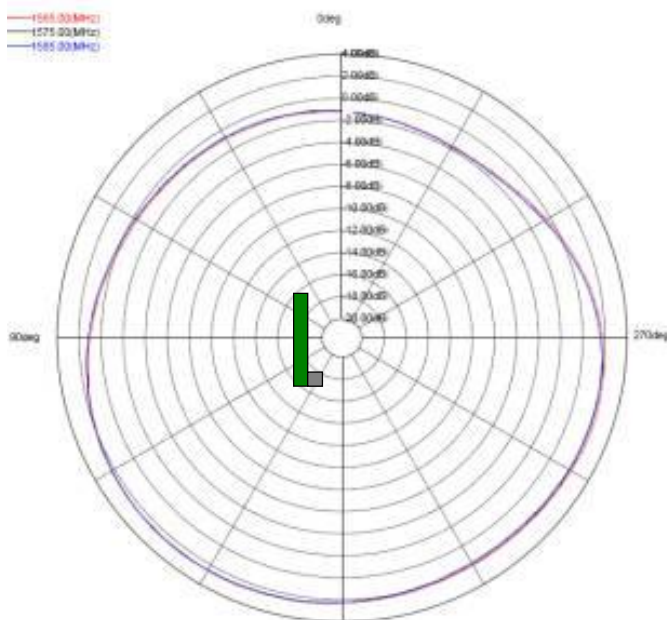
XZ-PLANE



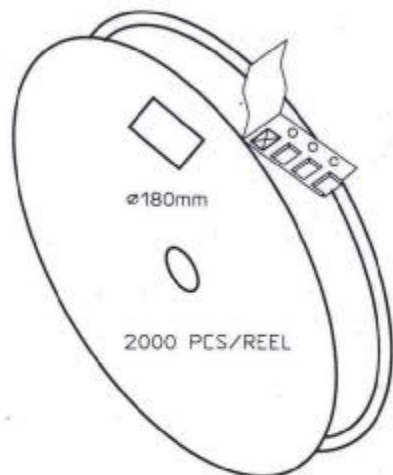
ZY-PLANE



XY-PLANE



Packing form

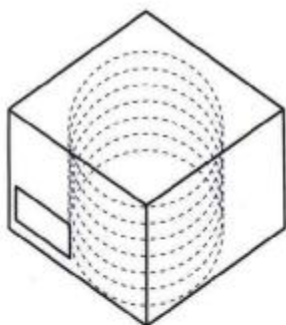


CARRIER TAPE H85-00192
width=16,00 depth=1.70
COVER TAPE H85-00193
width=13.40

LENGTH OF TAPE:


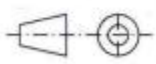
- Leader section: min 350 mm before component section
- Trailer section: min 40 mm after component section.

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



BOX H85-00128 1 pcs
(182x182x125)
- LABEL 1 pcs/BOX

REEL H85-00164 6 pcs
(D180, W28)
- REEL LABEL 1 pcs/REEL

MATERIAL			
HANDLINGS			
		RATIO	DRWN 161007 PeHa H
			DGNER
PRODUCT H90-0Y838			CHKD
			APPRD
DENOMINATION PACKING FORM			APPRD BY
			C
			B
			A
		VERSION	MOD/DATE/NAME