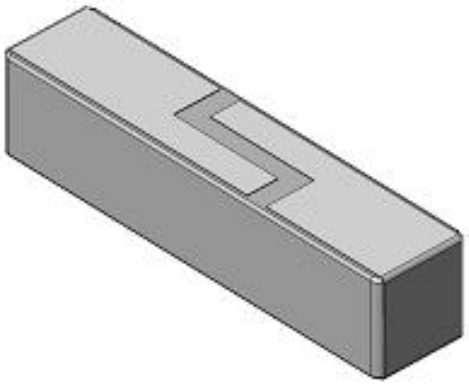
1.575GHz GPS Ceramic Chip Antenna

(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 [°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

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

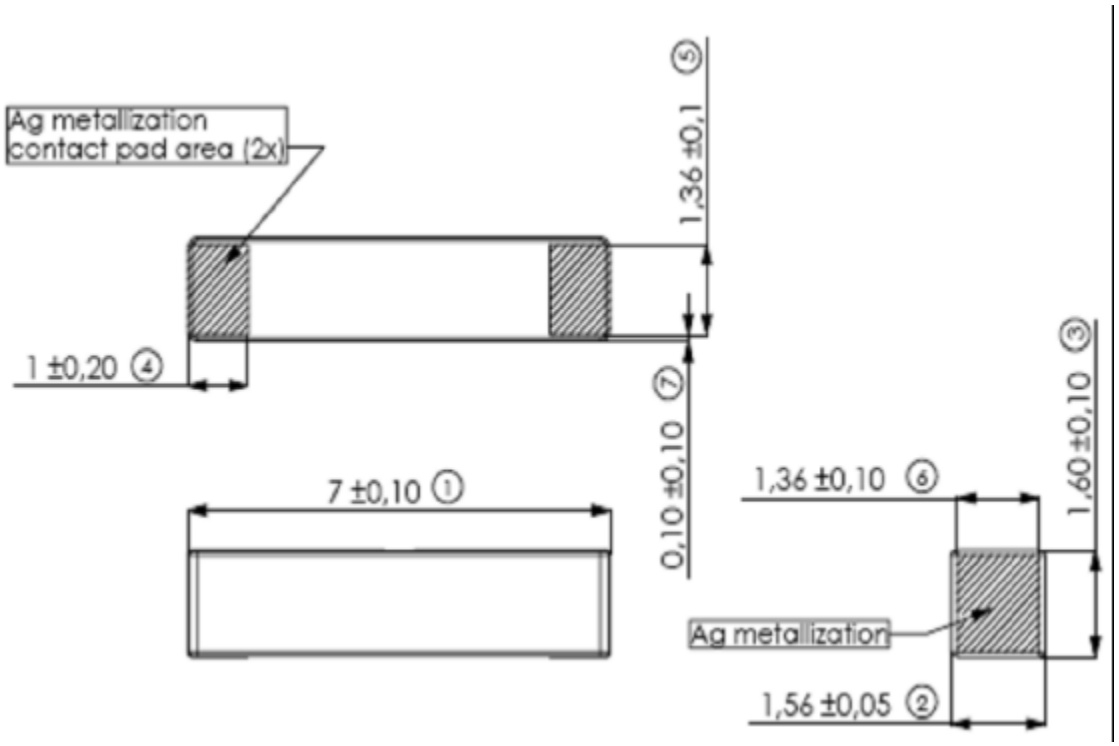
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GPS Ceramic Chip Antenna

(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		

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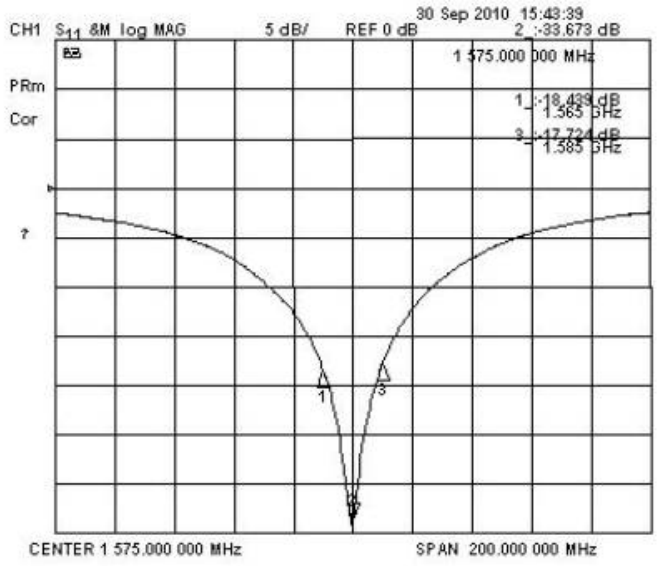
GPS Ceramic Chip Antenna

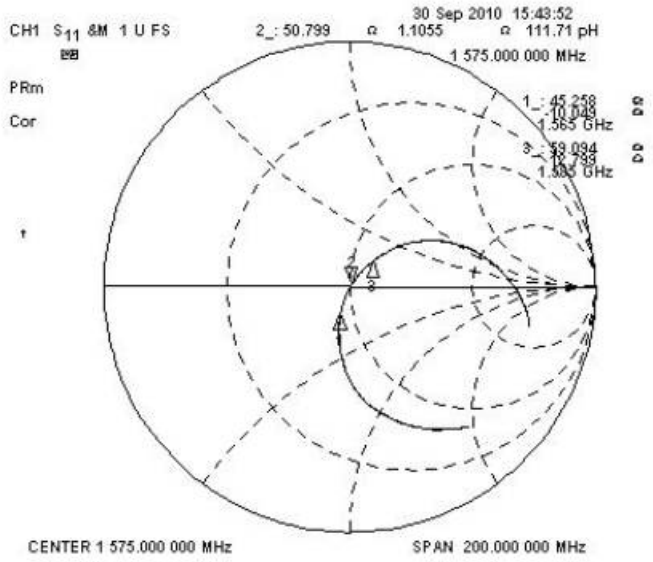
(Ground cleared under antenna, clearance area 7.80 mm x 5.25 mm)

Typical Electrical Characteristics (T=25 °C)

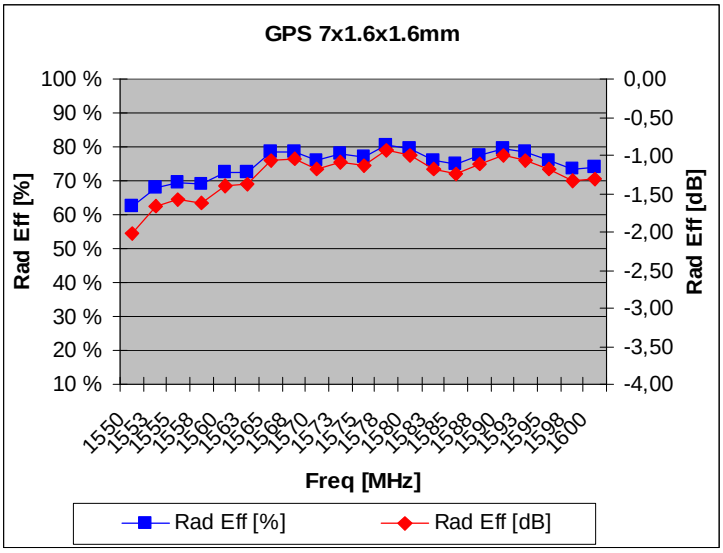
Measured on the 80 x 37mm test board. Matched with 2.2pF shunt capasitor

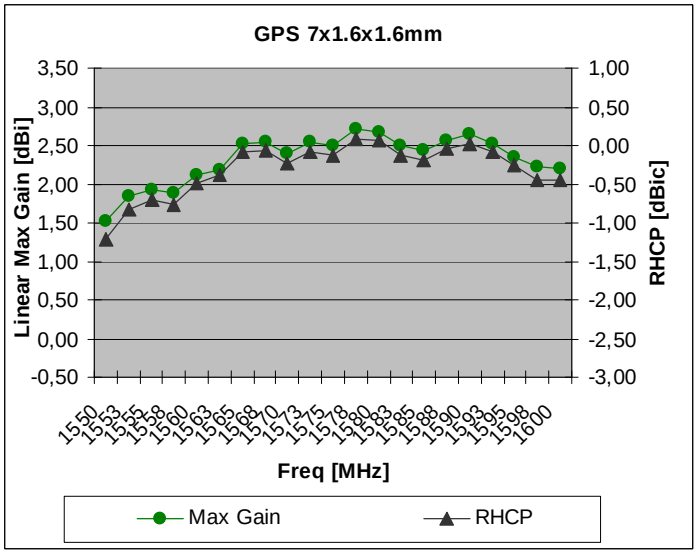
Typical Return Loss S11/ impedance





Free space efficiency, maximum gain and RHCP





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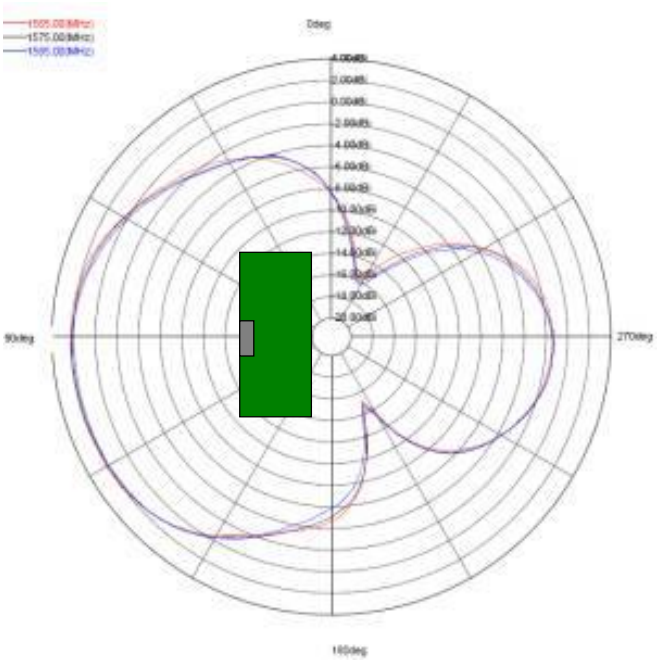
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GPS Ceramic Chip Antenna

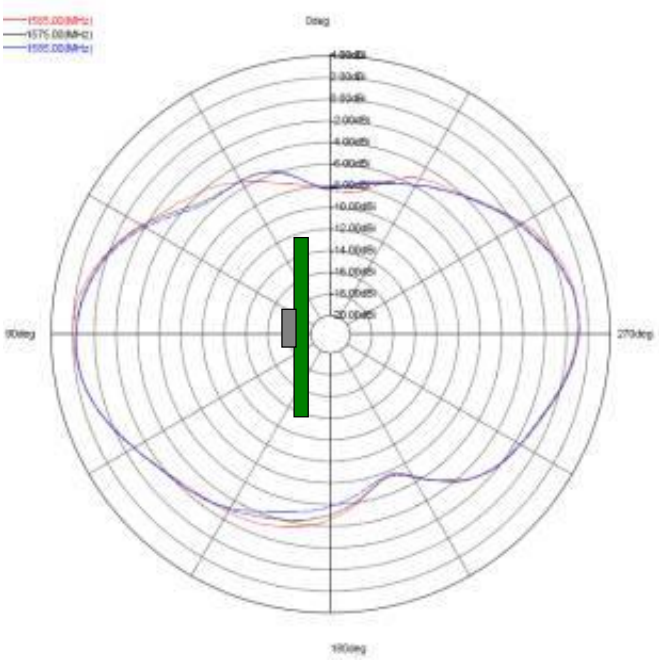
(Ground cleared under antenna, clearance area 7.80 mm x 5.25 mm)

Typical Free space Radiation Patterns

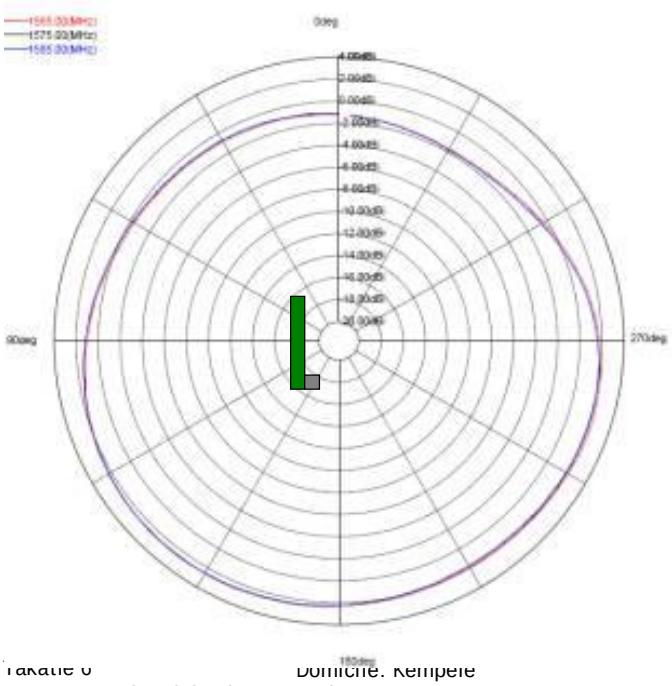
XZ-PLANE

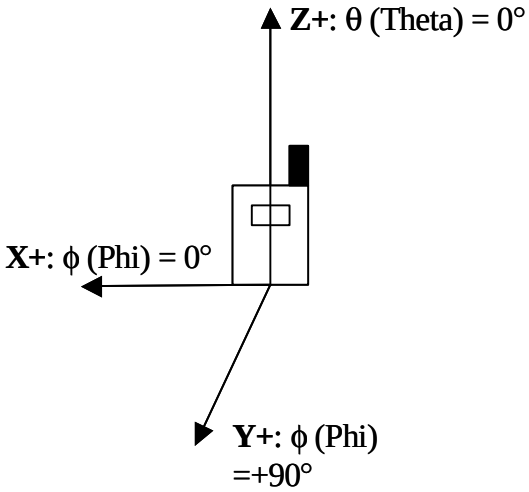


ZY-PLANE



XY-PLANE





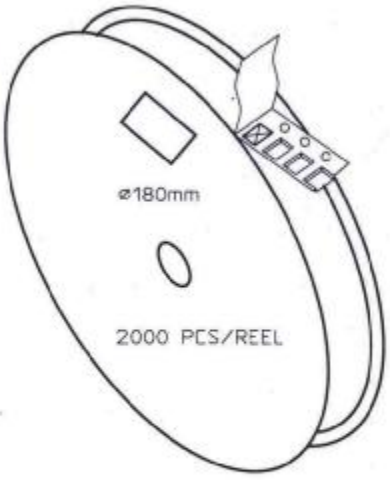
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Packing form

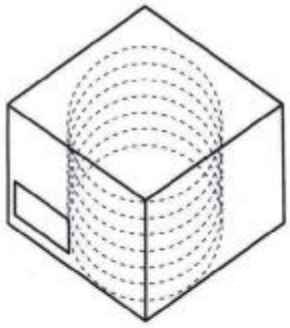


CARRIER TAPE H85-00192
width=16,00 depth=1.70
COVER TAPE H85-00193
width=13.40

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 (182x182x125)	1 pcs
- LABEL	1 pcs/BOX
REEL H85-00164 (D180,W28)	6 pcs
- REEL LABEL	1 pcs/REEL

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

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