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# SMD GPS Antenna

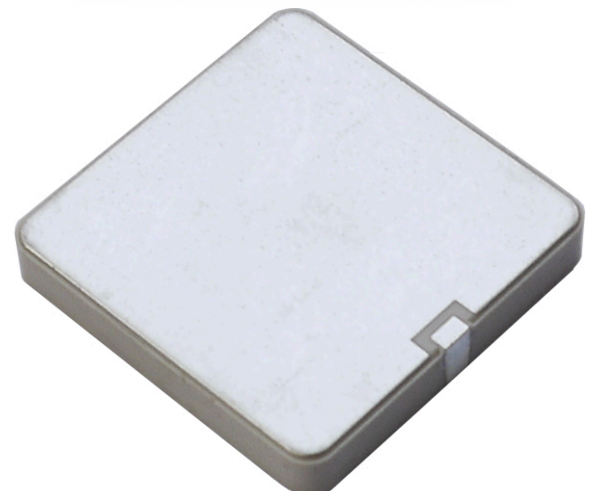
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- **SMD GPS Antenna**
- **3.0 dB Gain**
- **Low V.S.W.R**
- **Wide temperature range**
- **High Quality**

ADA-25254SMD is an easy design-in ceramic Dielectric GPS Antenna with Silver Electrode Antenna pattern.



Top



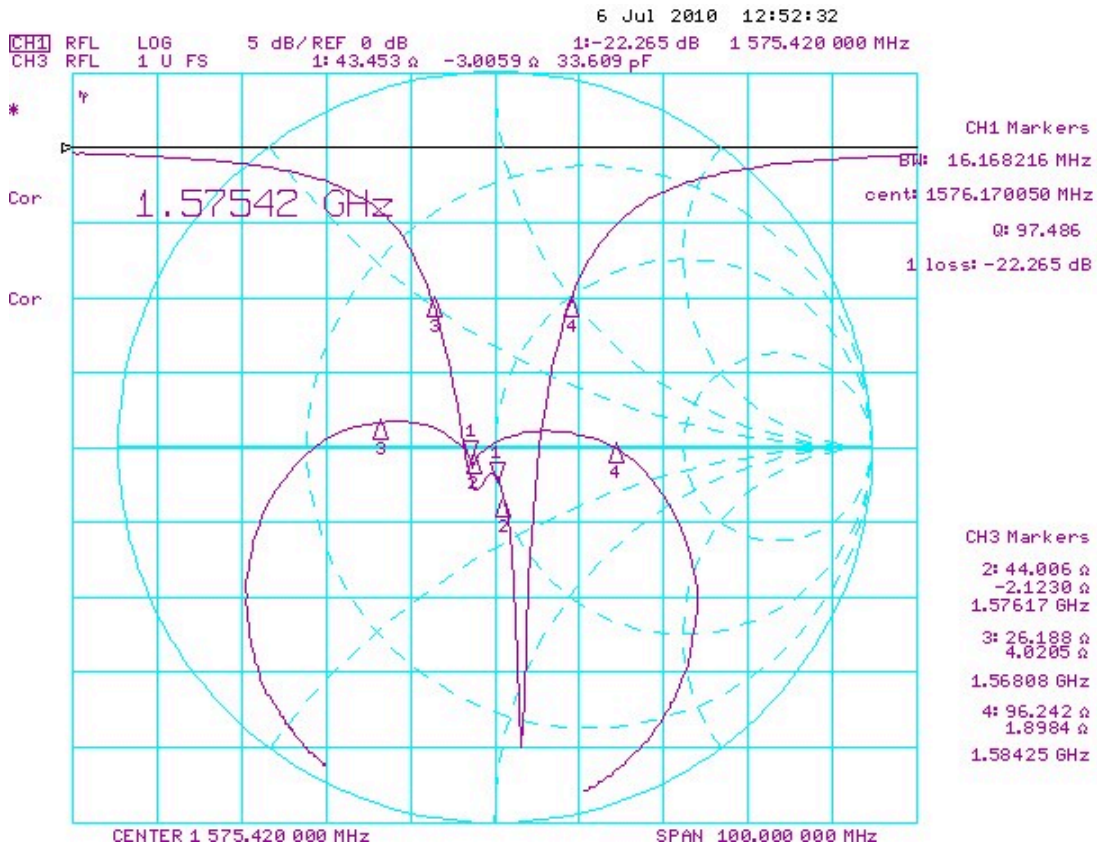
Bottom

**RoHS**

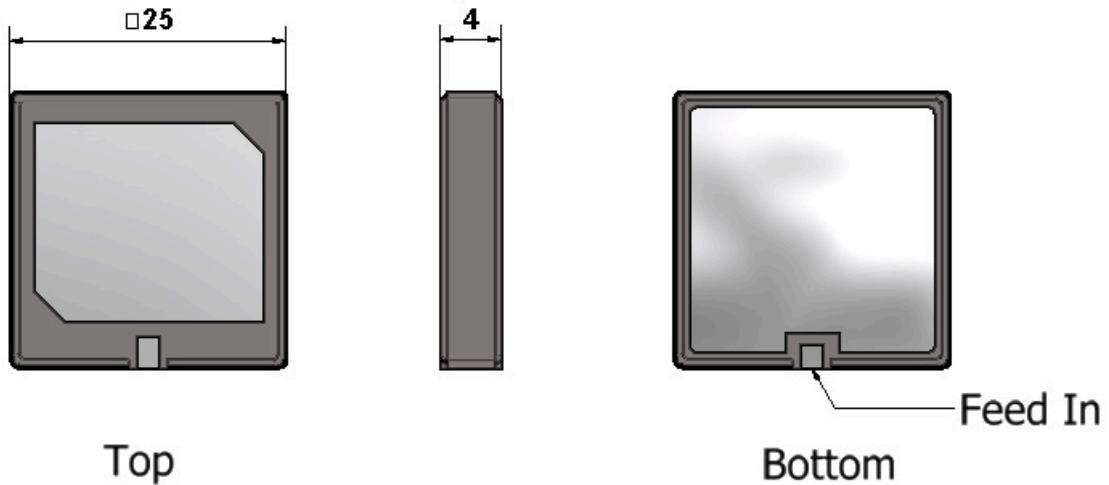
## Specification

Category	Overall performance
Receiving Frequency	1572.42MHz $\pm$ 1.023MHz
Center Frequency	1575MHz $\pm$ 3MHz
Bandwith	14 MHz
VSWR	1.5 Max
Gain @ Zenith	3.0 dBic Typ.
Gain @ 10° Elevation	2.5 dBic Typ.
Axel Ratio	3 dB
Polarization	R.H.C.P.
Output Impedance	50 $\Omega$
	Environmental Conditions
Operating Temperature	-40 — +105°C
Storage Temperature	-40 — +105°C
Soldering Temperature	+265°C for max 5 seconds
Dimensions, Ceramics	25 x 25 $\pm$ 0.2 mm x 4 $\pm$ 0.2 mm
Dimensions, Ground Plane	50 x 50mm

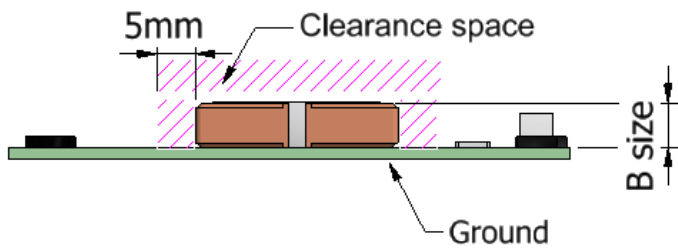
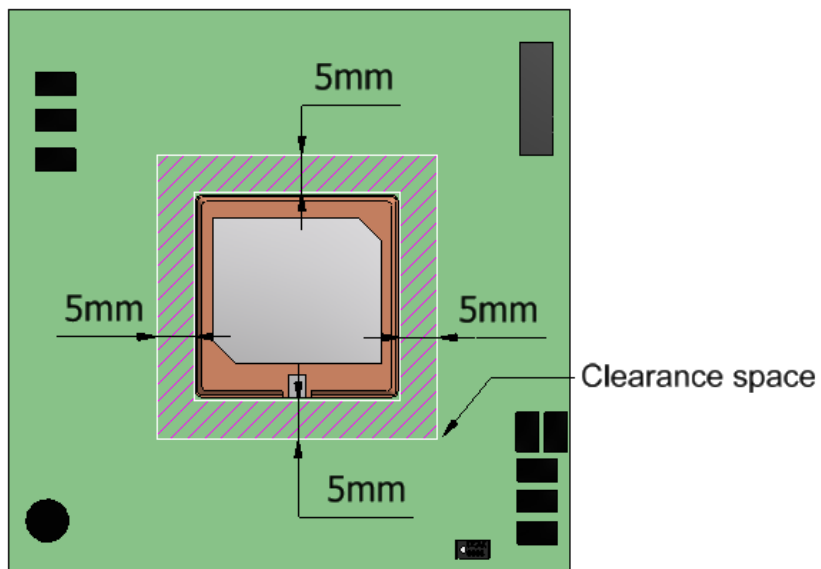
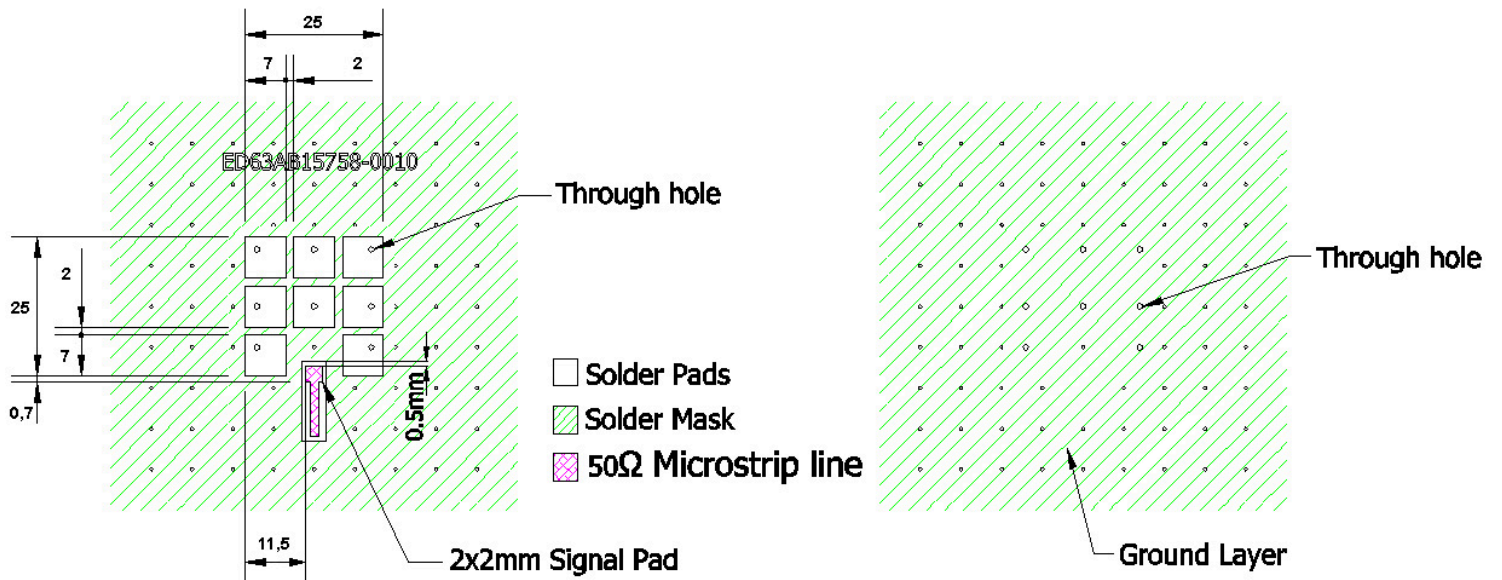
## Antenna Electric Characteristic



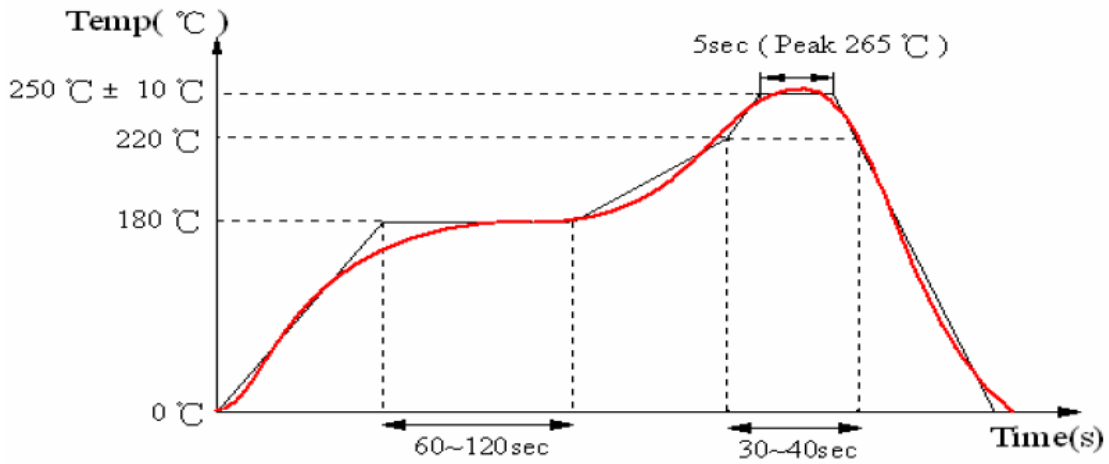
## Antenna Dimension



# PCB Board Design



## Recommendations of the Solder and Conditions



Solder:SN-3Ag-0,5Cu

## Ordering codes

TYPE	Description	Comment
ADA-25254SMD	GPS SMD Patch Antenna	1575.42MHz

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