

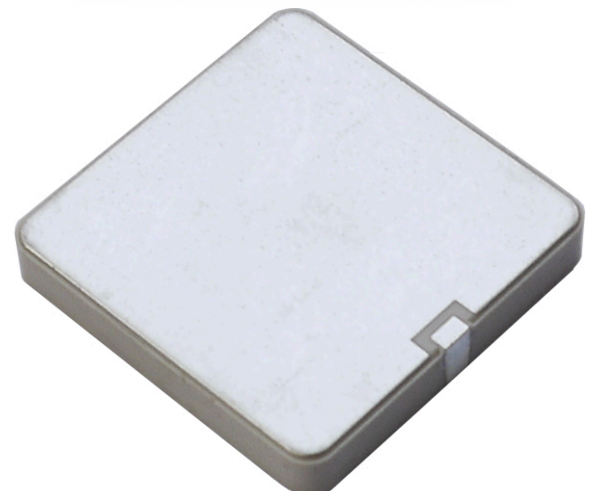
SMD GPS Antenna

- **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



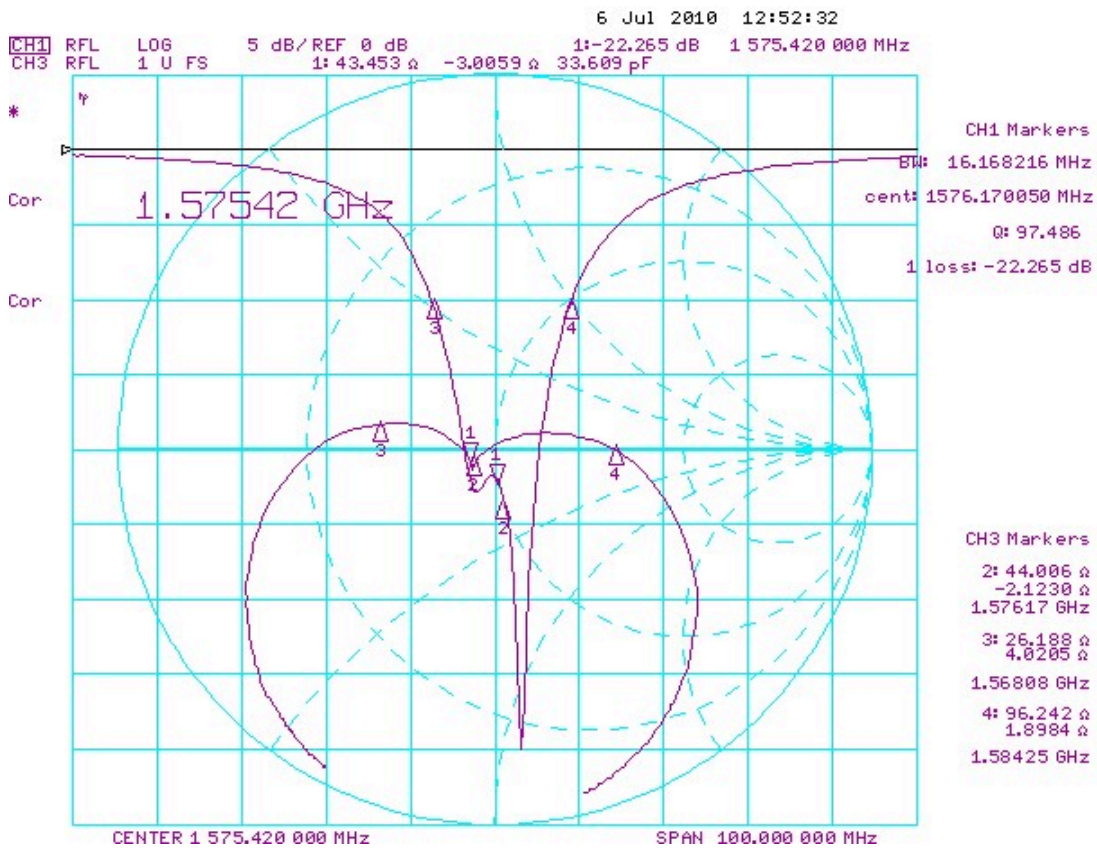
Bottom

RoHS

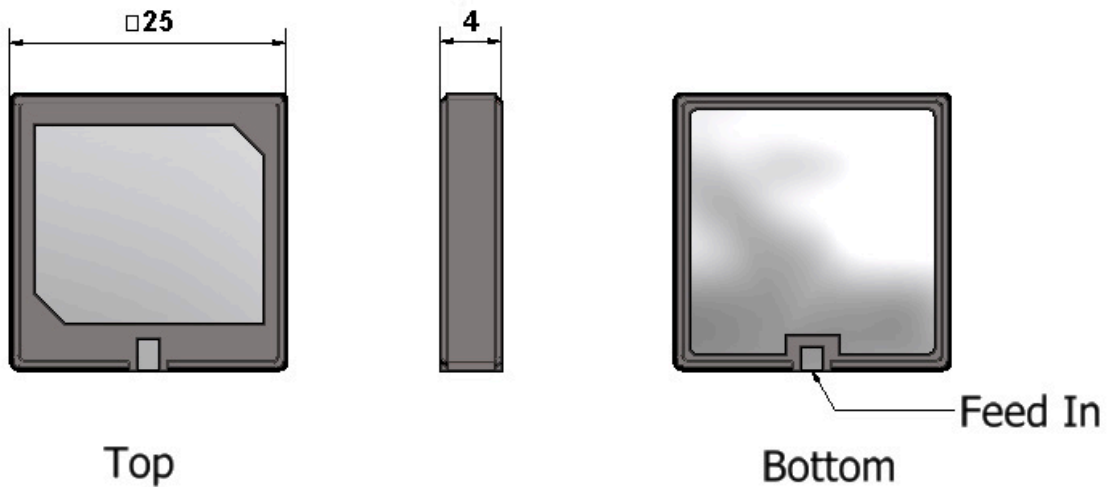
Specification

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 Ω
	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

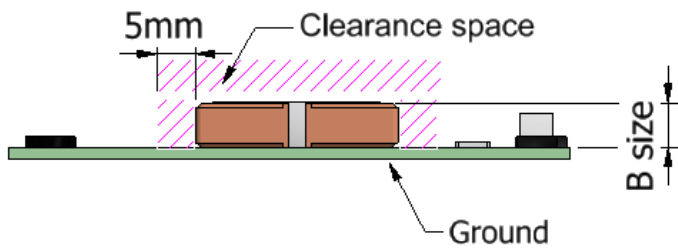
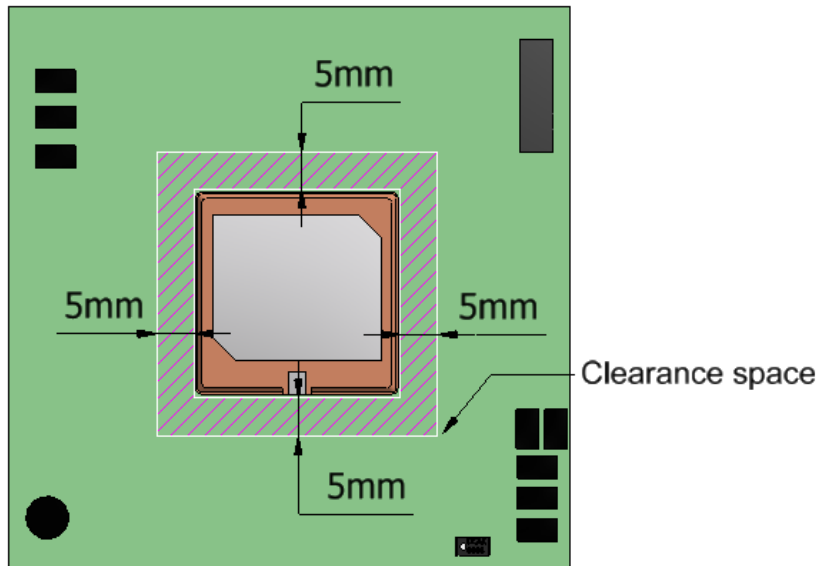
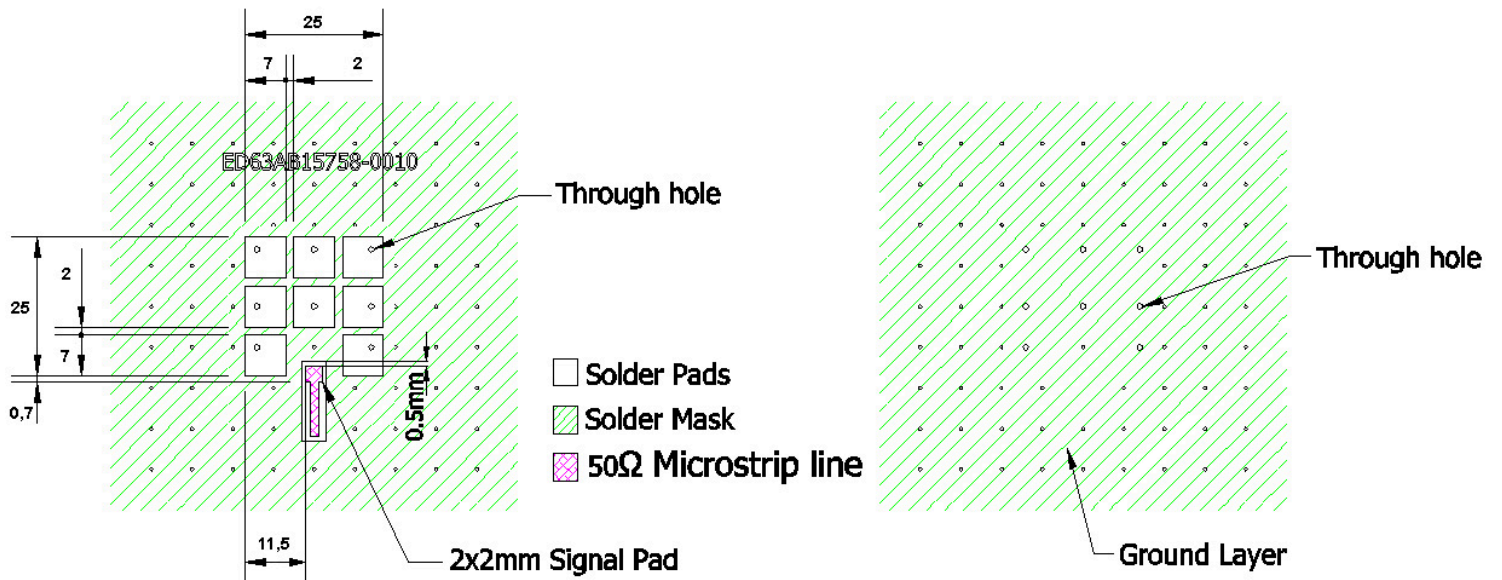
Antenna Electric Characteristic



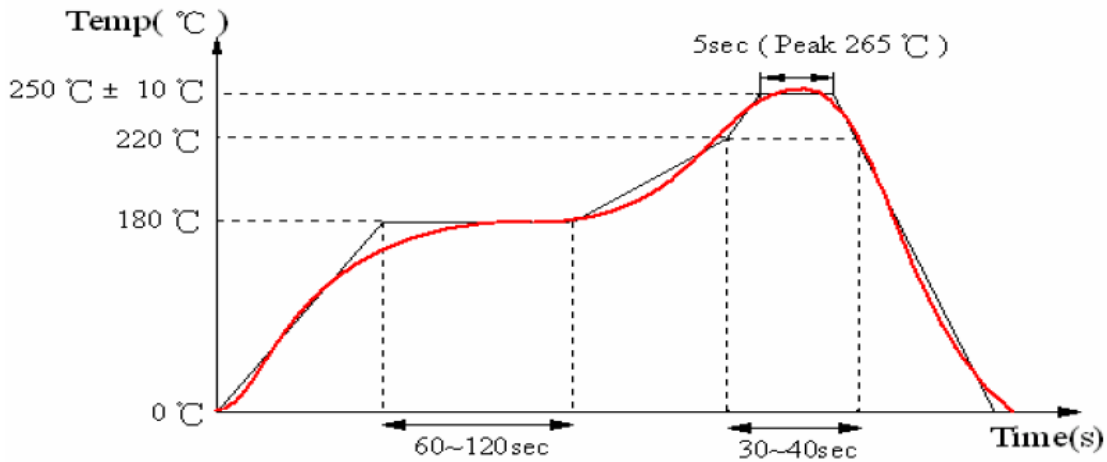
Antenna Dimension



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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