Low profile Compact 2.4 GHz Ceramic Chip Antenna

ACAG0201-2450-T

2.0 x 1.25 x 0.6mm RoHS/RoHS II Compliant MSL = 3

FEATURES

- Gain of 2.7dBi
- VSWR ≤ 2.0
- Miniature form factor 2.0 x 1.25 x 0.6mm
- Made using LTCC technology (low temperature co-fired ceramic)
- Omni-directional

APPLICATIONS

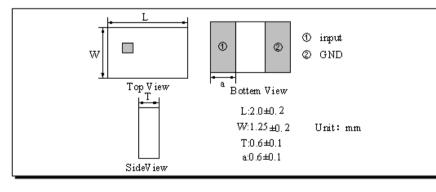
- IoT and wearable
- Wi-Fi
- Bluetooth/BLE
- ISM band

ELECTRICAL CHARACTERISTICS

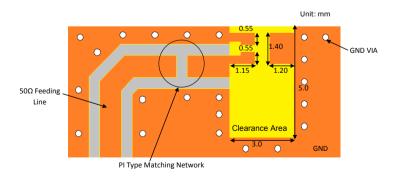
Item	Specification
Centre Frequency (After matching)	2450 MHz
Bandwidth	65 MHz typ
VSWR	≤ 2.0
Impedance	50Ω
Gain	2.7 dBi
Azimuth	Omni-directional
Polarization	Linear
Operating Temperature range	$-40^{\circ}\mathrm{C} \sim +85^{\circ}\mathrm{C}$

MECHANICAL DIMENSIONS (mm)

Antenna Dimensions

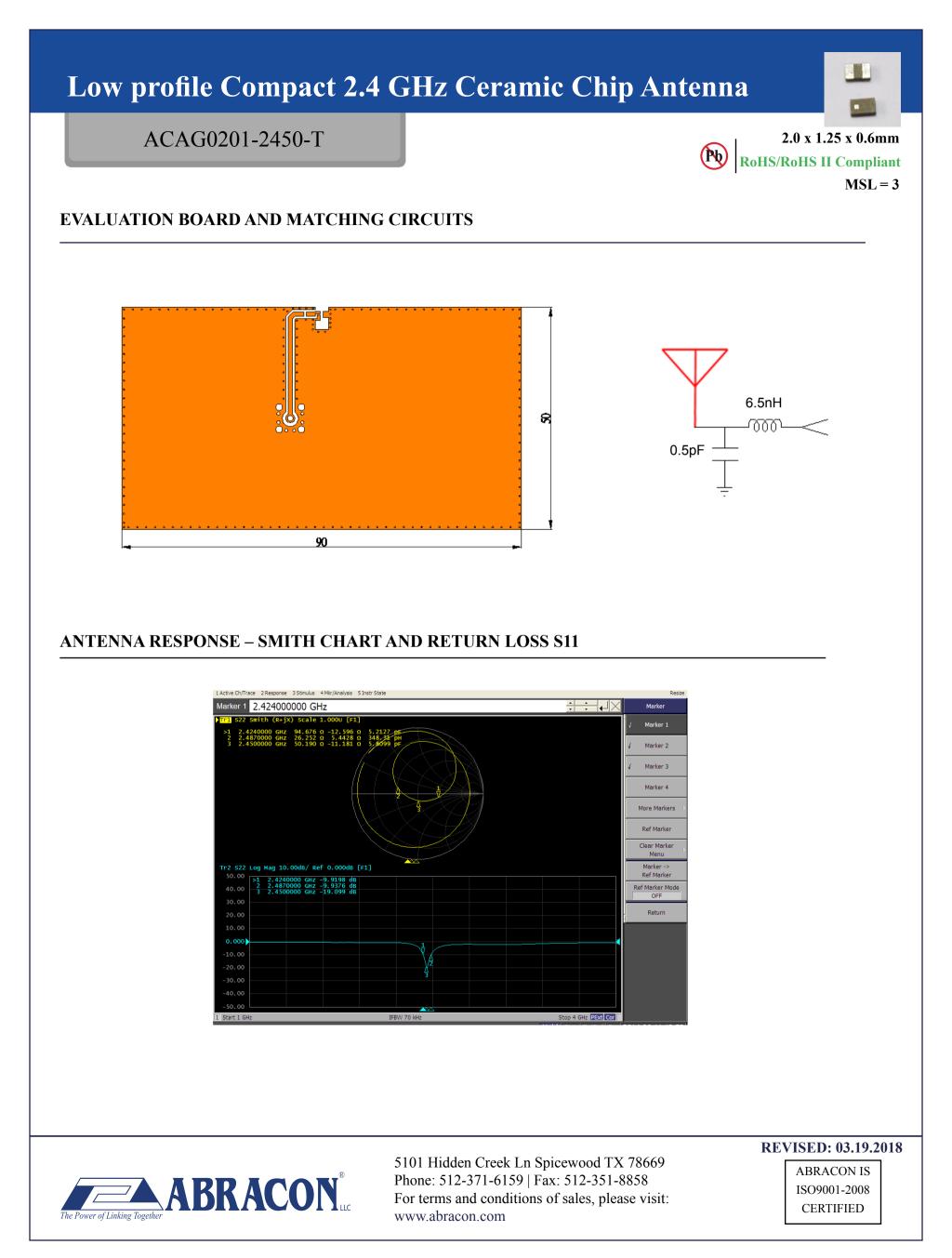


Layout Dimensions





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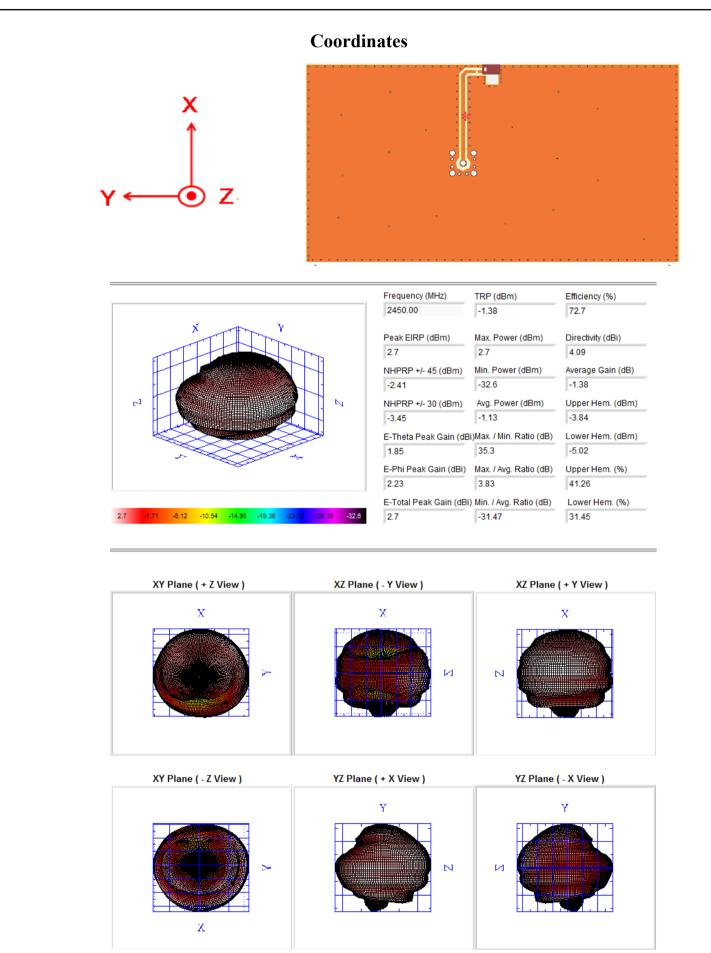


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RADIATION PATTERNS





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Low profile Compact 2.4 GHz Ceramic Chip Antenna ACAG0201-2450-T 2.0 x 1.25 x 0.6mm (Pb) **RoHS/RoHS II Compliant** MSL = 3**REFLOW SOLDERING STANDARD CONDITION** Temp(°C) 5sec (Peak 265 🖱) '50℃± 10℃ 220 °C 180 °C 0°C Time(s) 60~120sec 30~40sec PACKAGING Reel (4000 pcs/Reel) φ1.5 2.0 13 ± 0.5 -ui ¢ 100 5 0.22 4.0 1.6 24.0 ± 2.0 **Dimensions: mm**

Storage Temperature Range : <30 degree C, Humidity : <60%RH MSL - 3 Oxidizable, 12 months in a vacuum sealed bag. Once opened, please repack the unused items within 168 hours by re-seal package treatment.



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CAUTIONS

1. Static voltage

Static voltage between signal & ground may cause deterioration & destruction of the component. Please avoid static voltage.

2. Ultrasonic cleaning

Ultrasonic vibration may cause deterioration & destruction of the component. Please avoid ultrasonic cleaning.

3. Soldering

Only leads of the component may be soldered. Please avoid soldering to any other part of the component, such as on the patterns as this will change the performance of the antenna.



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