



AEL Crystals Limited

Specification

Customer:

Part Name: AEL-A35 LTCC Antenna

Part Number A2450M000000S010

Technical Spec. TBA



Specification List

Product: A35 LTCC Antenna
AEL A2450M000000S007

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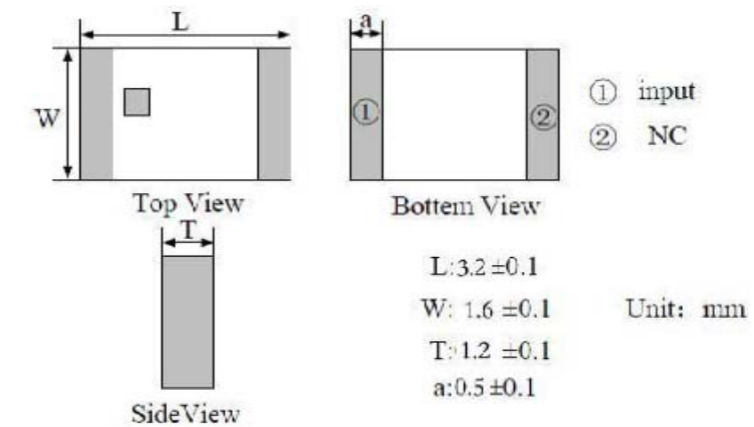
Type of Product

A35 LTCC Chip Antenna

1. Introduction

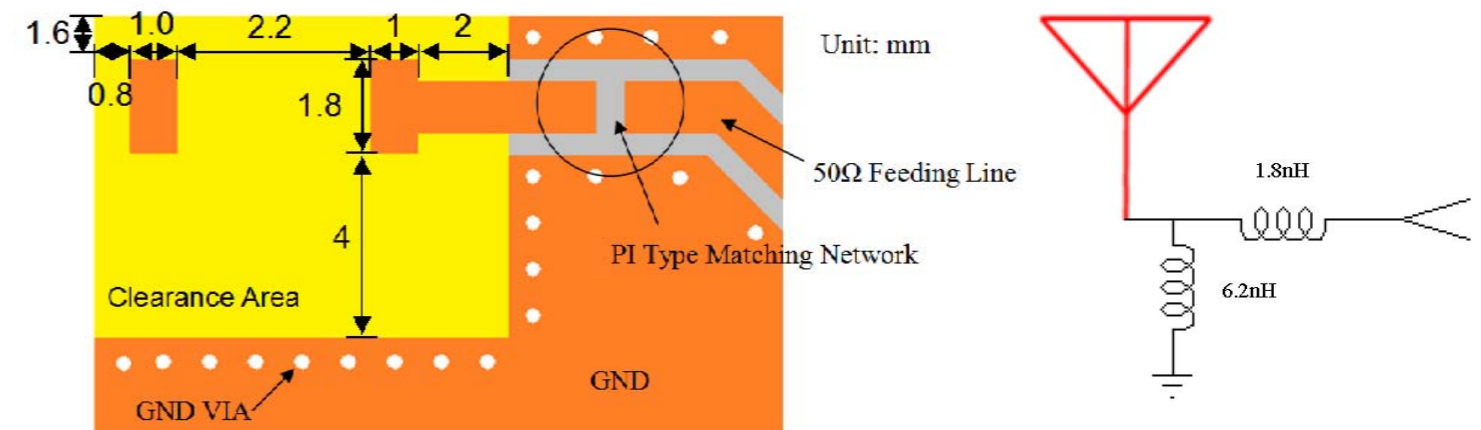
“Weison” microwave multi-layer chip ceramic antenna GPL series, are designed to be used in WLAN, Bluetooth, multi-band mobile phone antenna, GPS, and other similar applications. Compact size and SMD Chip design make it ideally suited to portable applications.

2. Dimensions



3. Evaluation Board

Rev.	Date	Description	Edited By	Approvals	
				Prepared By	Hui
01	21.01.2016	New Release	Hui	Checked	GWP
				Approved	Jeff
				Issue No.,	1.0
				Sheet	2/17

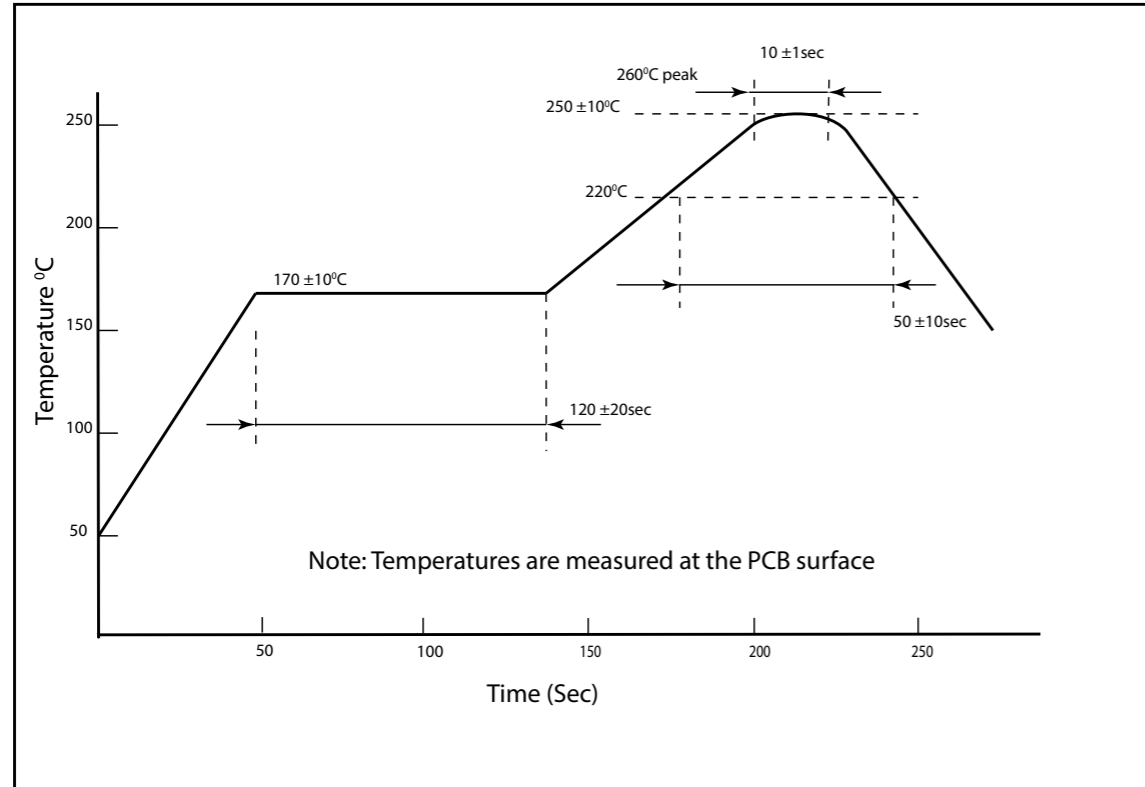




4. Electrical Characteristics

Item	Specification
Centre Frequency	2875MHz (no matching) 2450 MHz (after matching)
Bandwidth	100 MHz Typical
Gain	5.19 dBi max.
VSWR	2.0 max.
Polarization	Linear
Azimuth Beam Width	Omni-directional
Impedance	50 Ω

4. Solder Characteristics

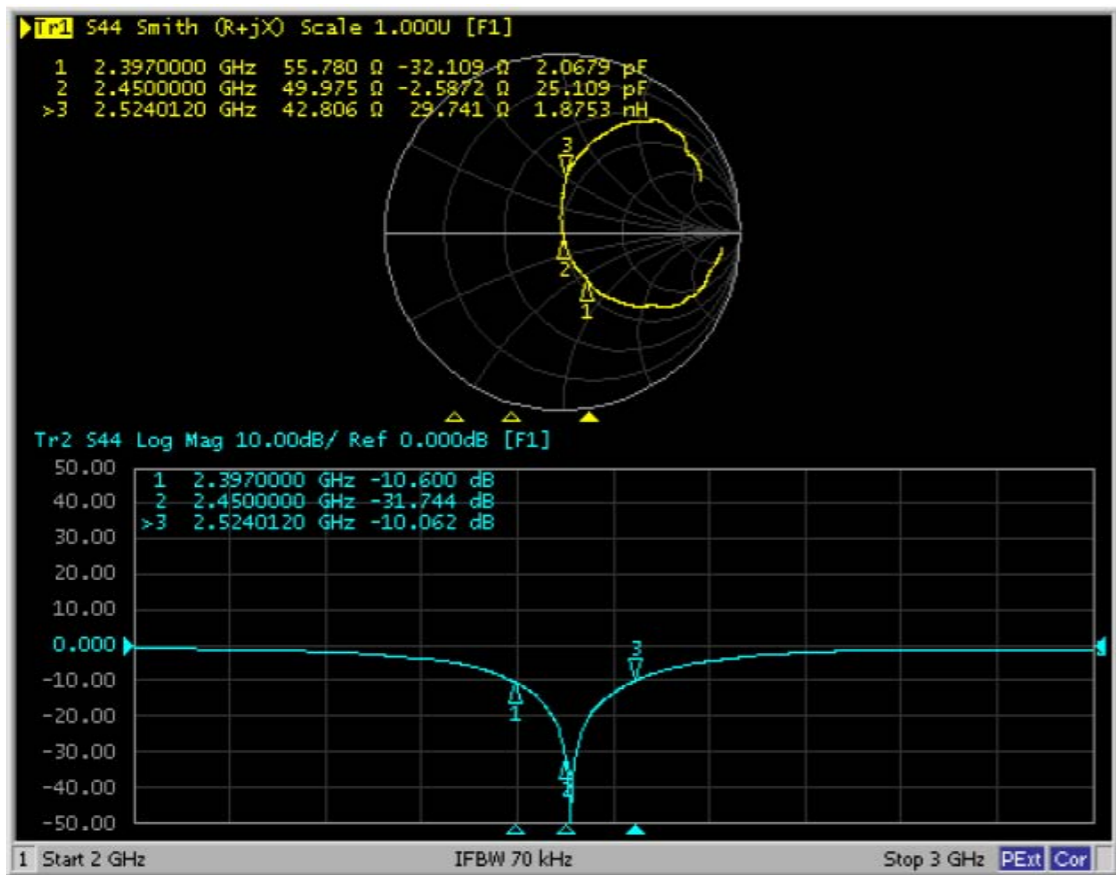


5. Environmental Conditions

Item	Condition
Reference Temperature	25 ⁰ C
Relative Humidity Range	55-75% RH
Operating Temperature Range	-40 ⁰ C to +85 ⁰ C
Storage Temperature Range	-40 ⁰ C to +85 ⁰ C

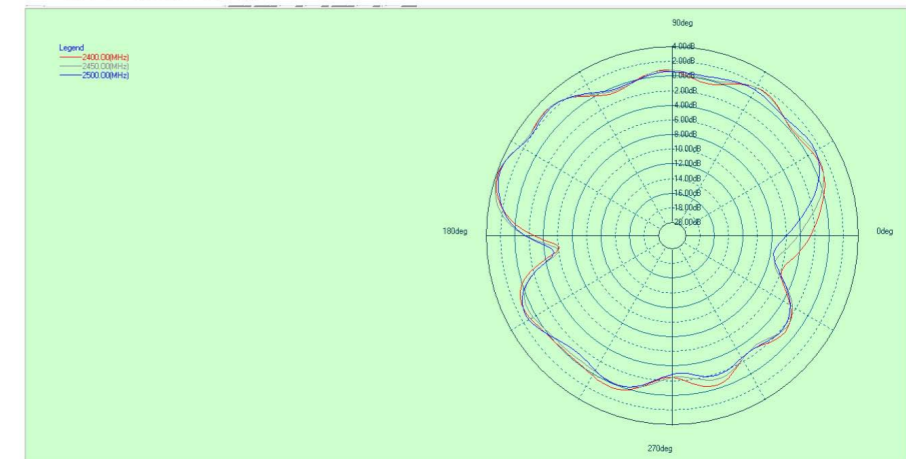


6. Characteristic Curve

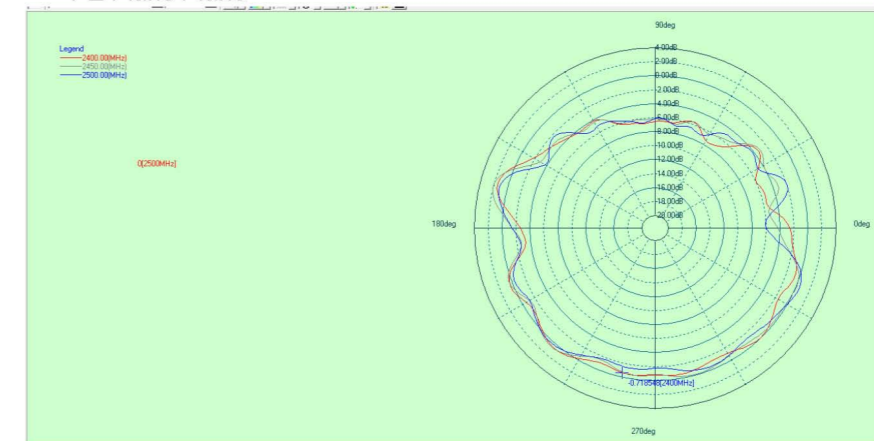


7. Radiation Pattern

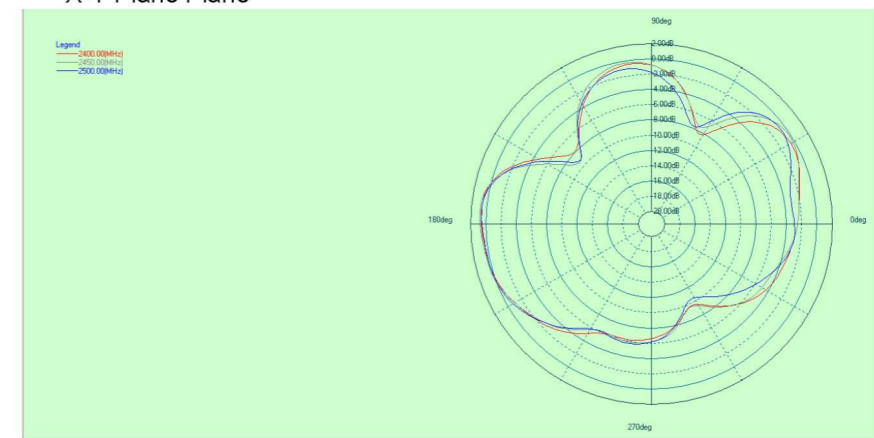
X-Z Plane Plane



Y-Z Plane Plane

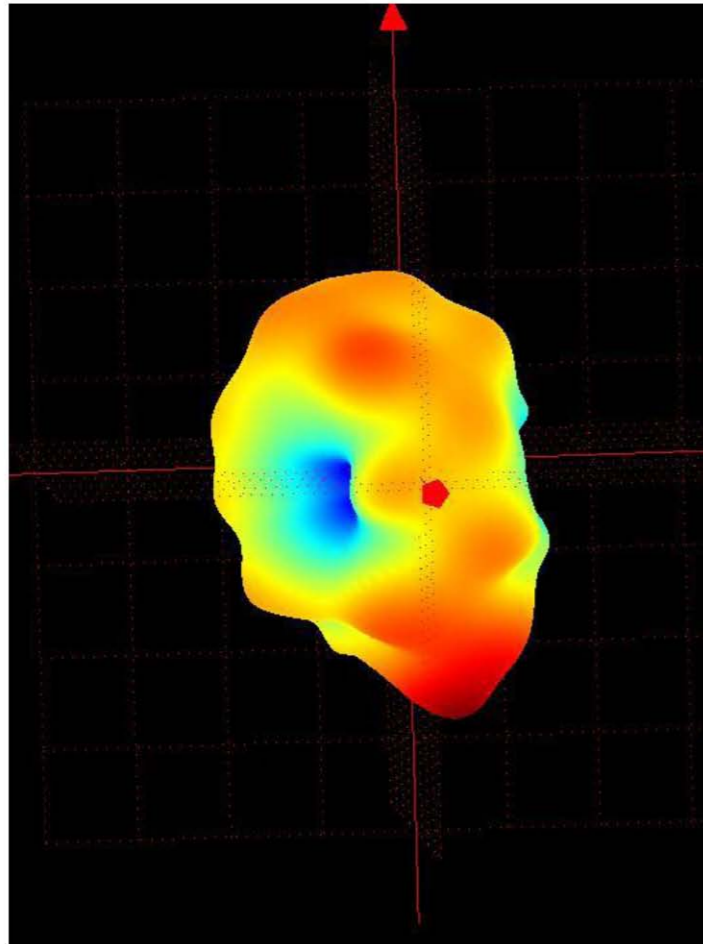


X-Y Plane Plane





3D Radiation Pattern



Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	-0.23	-0.36	-0.51
Peck Gain (dBi)	4.98	5.19	4.55
Efficiency (%)	70	71.2	69

