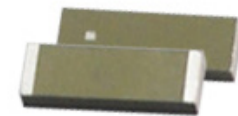


868 MHz Ceramic Chip Antenna



ACAG1204-868-T



12.0 x 4.0 x 1.6mm
RoHS/RoHS II Compliant
MSL = 1

FEATURES

- Uses Low Temperature Co-Fired Ceramic (LTCC) Technology
- Gain of 2.63 dBi
- Omni-directional
- VSWR of ≤ 2.0

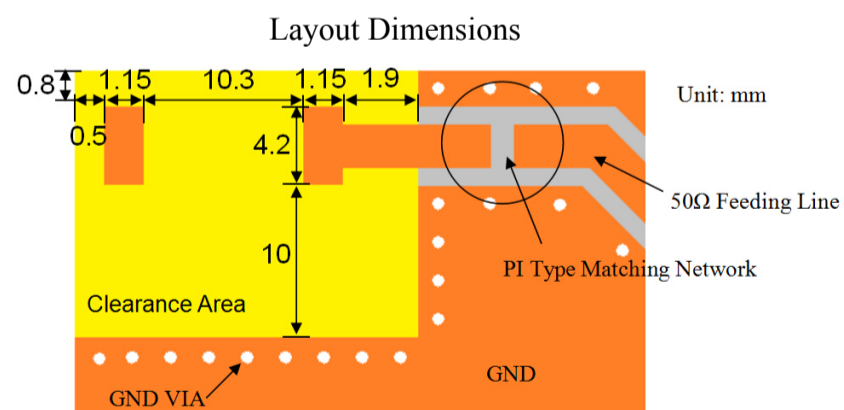
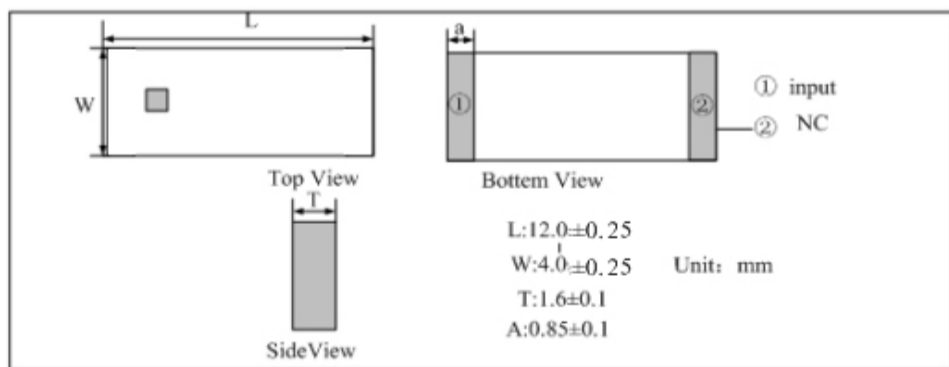
APPLICATIONS

- ISM applications
- LORA
- Sigfox
- RFID

ELECTRICAL SPECIFICATIONS

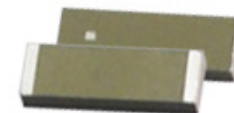
Item	Specification
Frequency	868MHz
Bandwidth	20MHz typ
VSWR	≤ 2.0
Impedance	50 Ω
Gain	2.63dBi
Azimuth	Omni-directional
Polarization	Linear
Operating Temperature range	-40°C ~+ 85°C

DIMENSIONS



Unit: mm

868 MHz Ceramic Chip Antenna

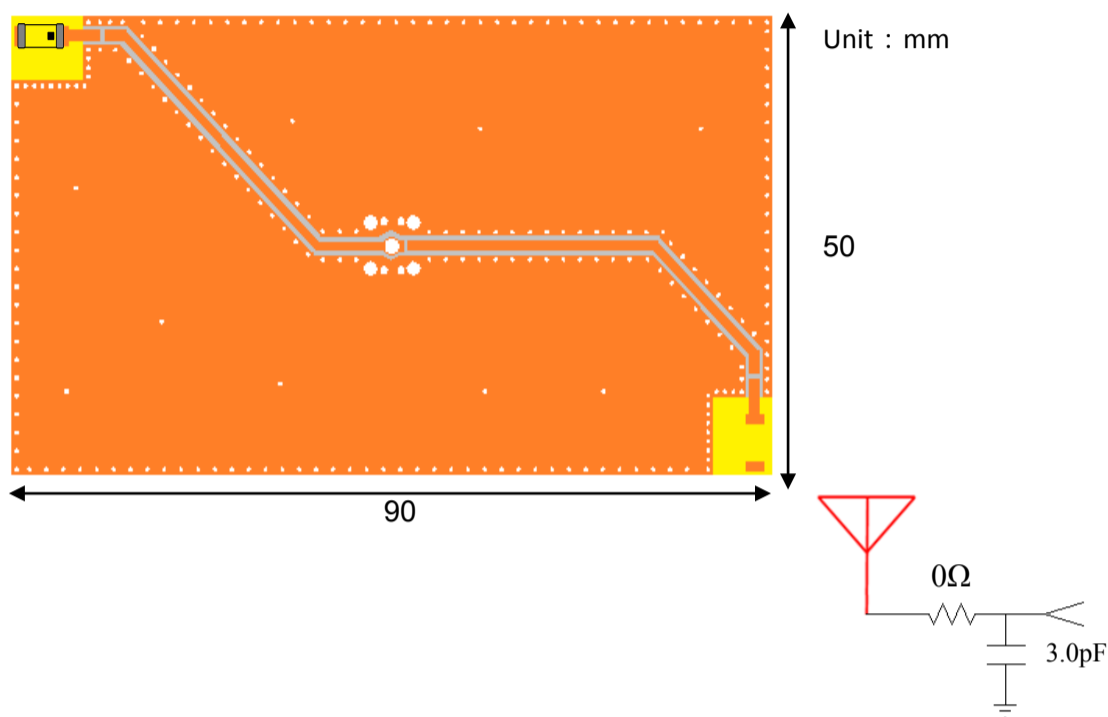


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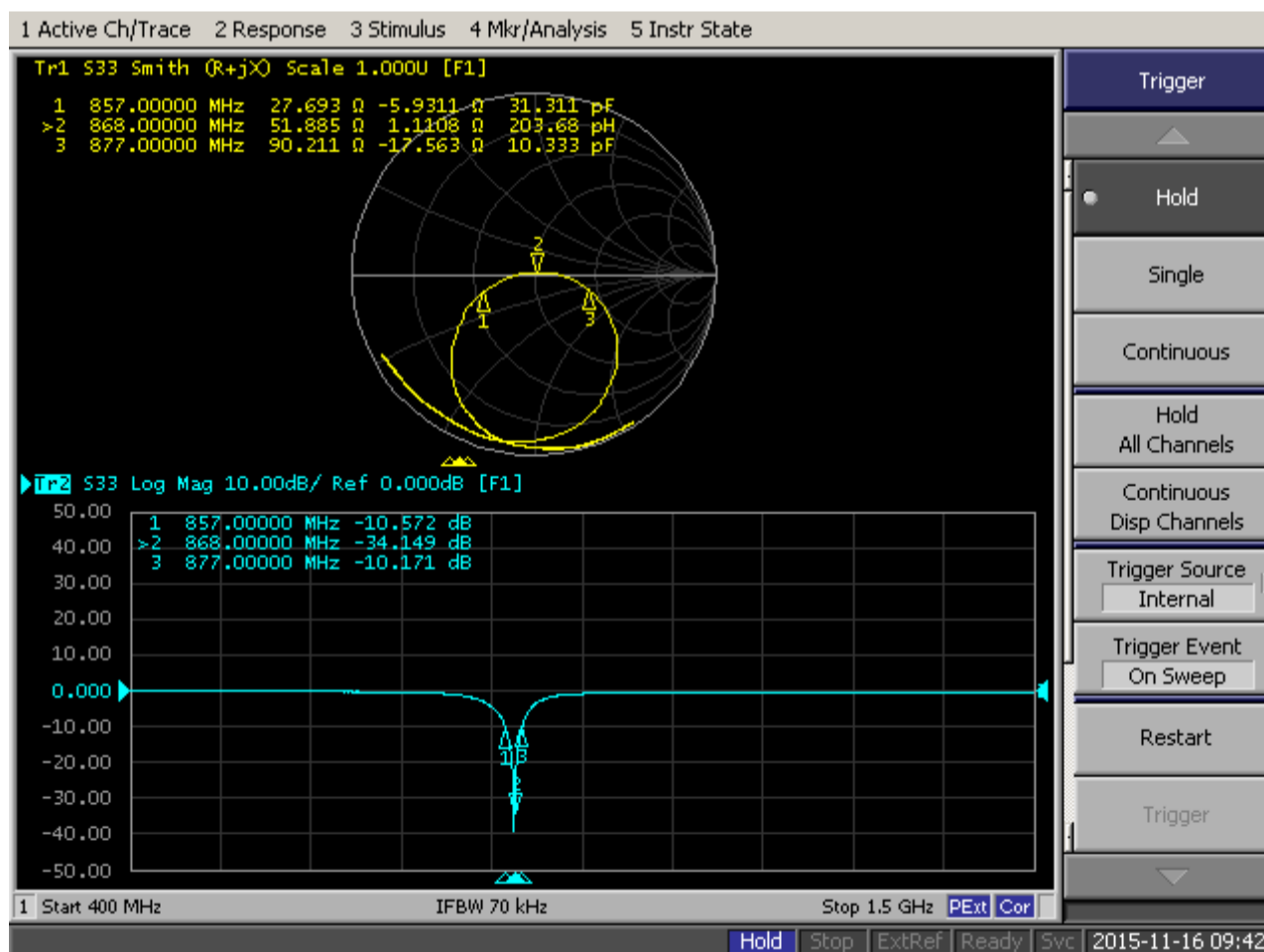


12.0 x 4.0 x 1.6mm
RoHS/RoHS II Compliant
MSL = 1

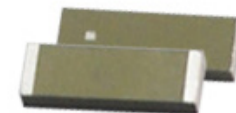
EVALUATION BOARD AND MATCHING CIRCUITS



ANTENNA RESPONSE – SMITH CHART AND RETURN LOSS S11



868 MHz Ceramic Chip Antenna

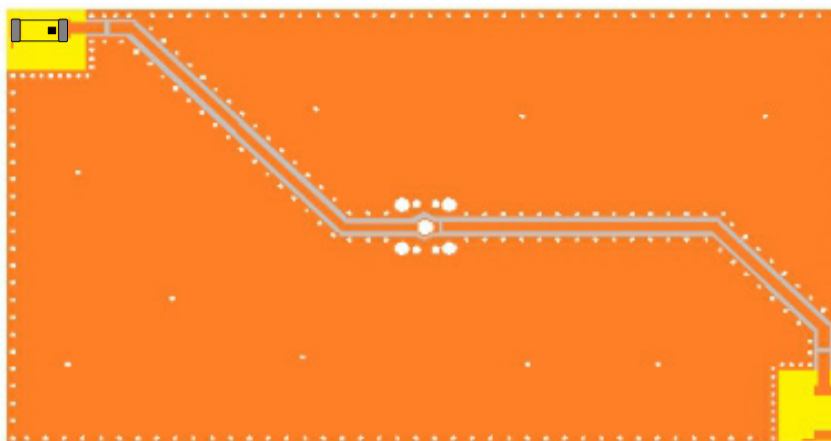
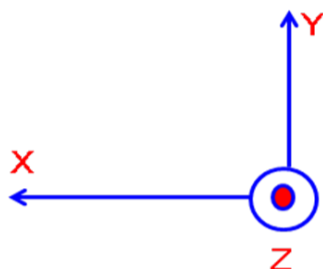


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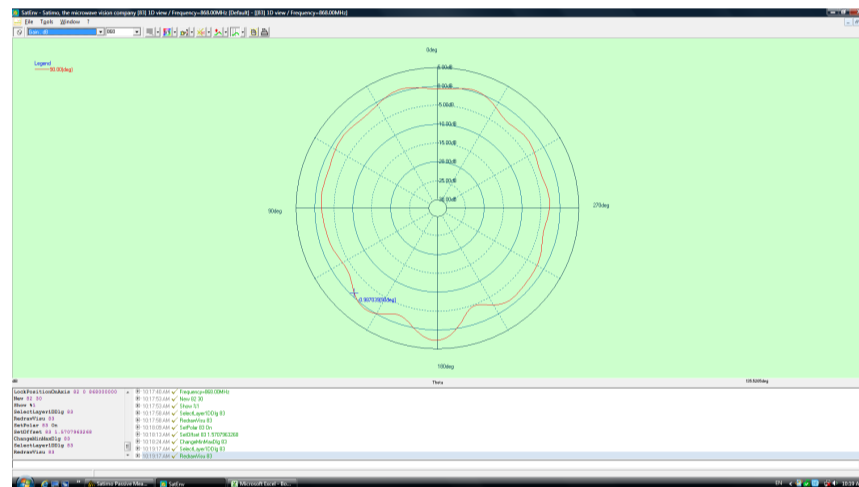
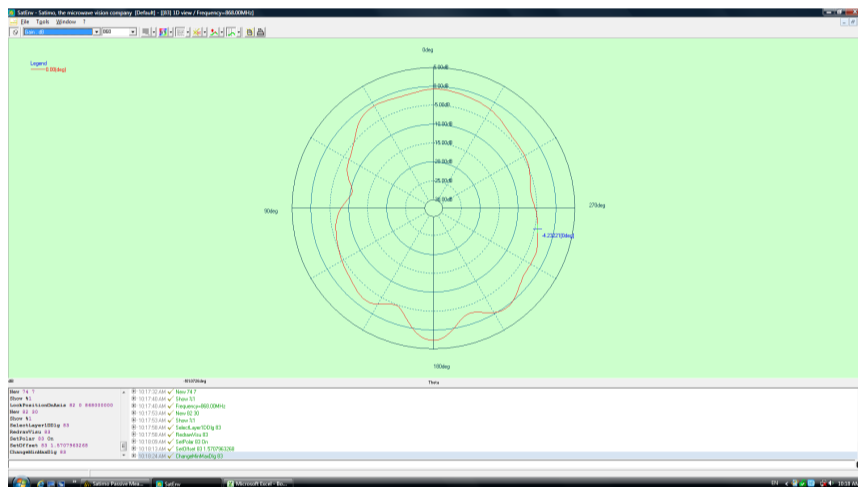
12.0 x 4.0 x 1.6mm
RoHS/RoHS II Compliant
MSL = 1

RADIATION PATTERNS

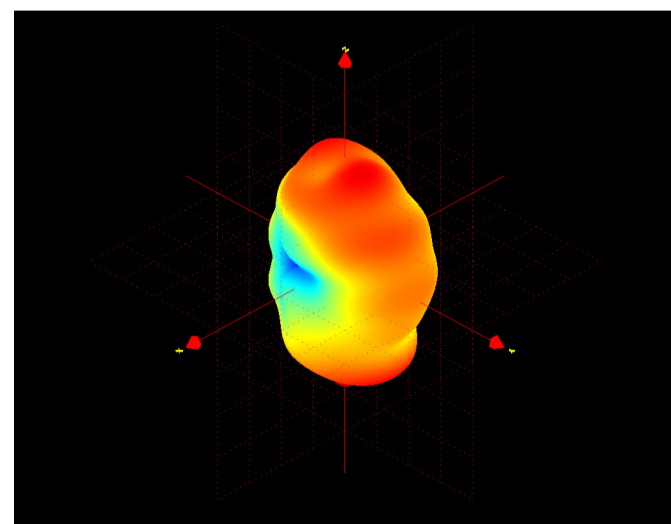
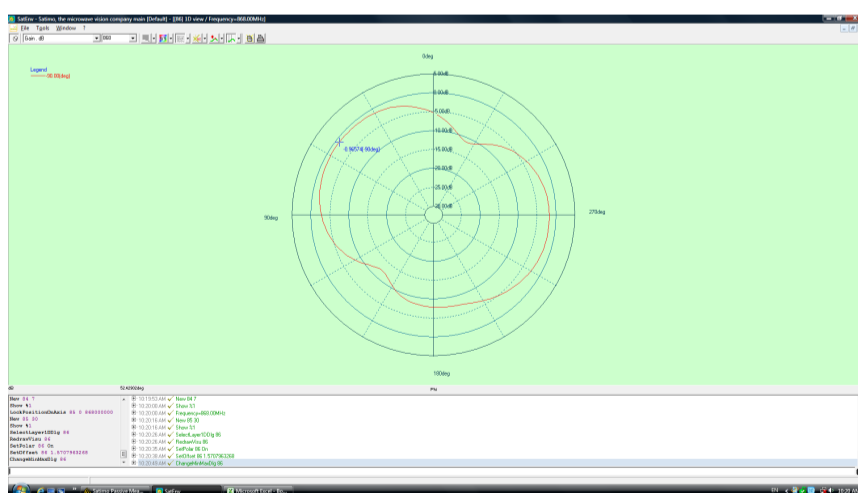


X-Z Plane

Y-Z Plane



X-Y Plane



Frequency (MHz)	858	868	878
Avg. Gain (dBi)	-2.68	-2.05	-2.72
Peak Gain (dBi)	2.35	2.63	2.26
Efficiency (%)	48	52	50



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