

Ceramic Chip Antenna 2450 MHz



ACAG0301-2450-T

Request Samples



Check Inventory



3.2 x 1.6 x 1.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Description & Key Electrical

The ACAG0301-2450-T is a high gain, multi-layer Ceramic Chip Antenna designed for 2450 MHz for Wi-Fi, Bluetooth, ZigBee and ISM applications. These antennas are made using Low Temperature Co-Fired Ceramic (LTCC) technology.

Electrical Characteristics

Parameter	Specification	Unit
Operating Frequency	2400 - 2500	MHz
Return Loss	< -10.9	dB
Polarization	Linear	-
Peak Gain	2.7	dBi
Efficiency	> -2.5 (56)	dB (%)
Impedance	50	Ω

Environmental Characteristics

Parameter	Specification
Operating Temperature	-40 °C to + 85 °C
Relative Humidity	55 ~ 75 %

Ceramic Chip Antenna 2450 MHz



ACAG0301-2450-T

Request Samples

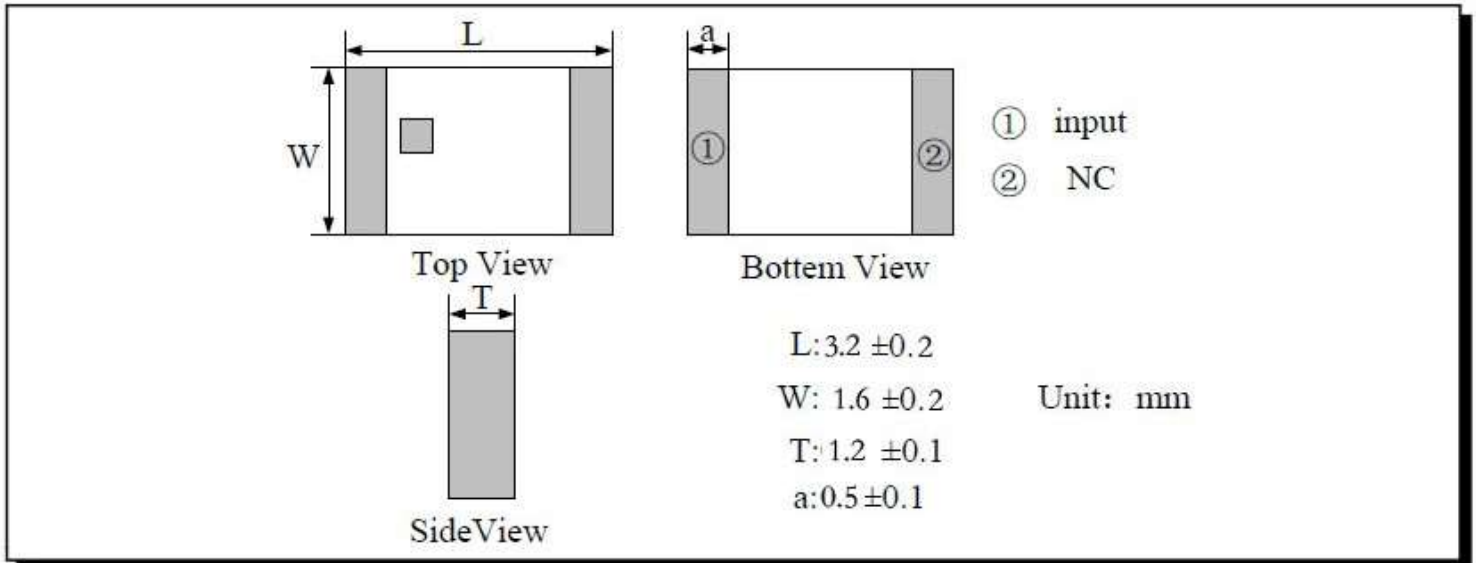


Check Inventory

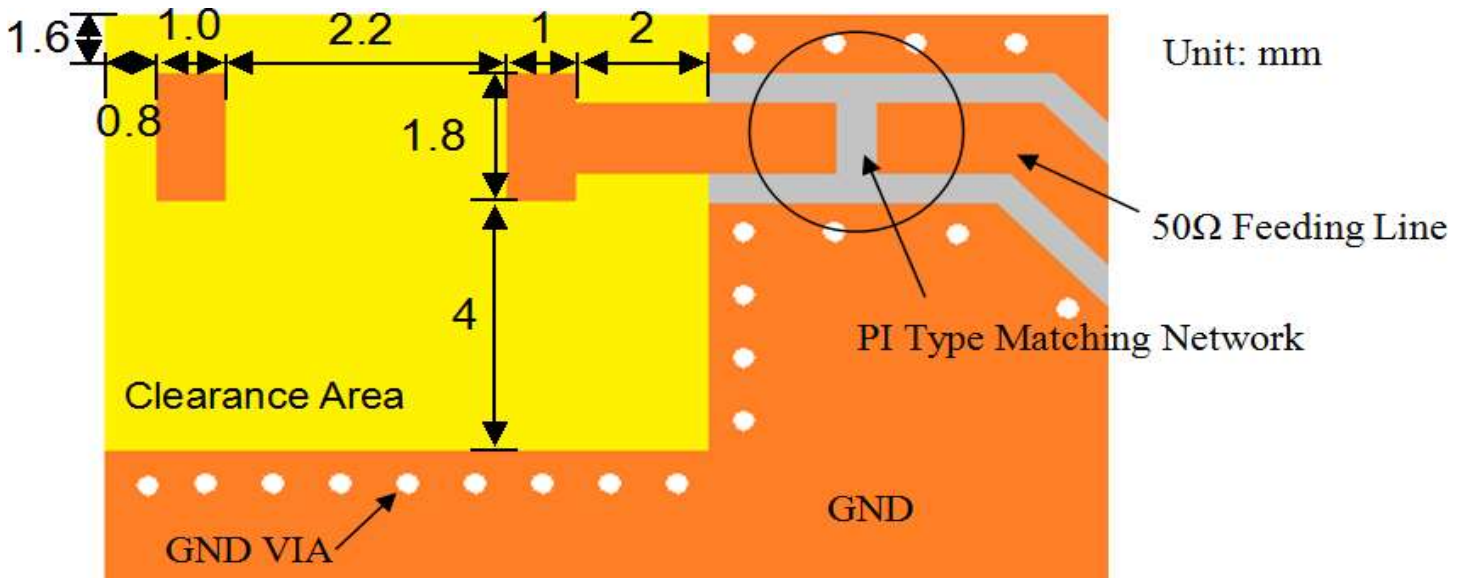


3.2 x 1.6 x 1.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Product Dimensions



Evaluation Board and Matching



Ceramic Chip Antenna 2450 MHz



ACAG0301-2450-T

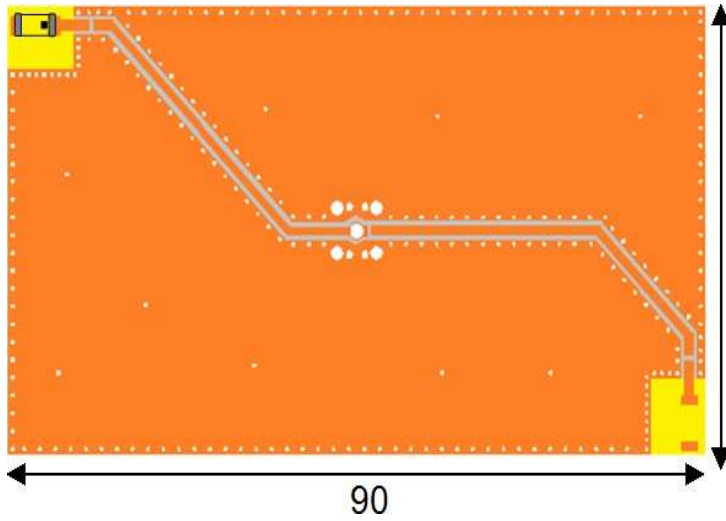
Request Samples



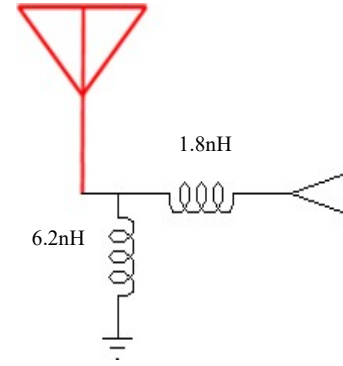
Check Inventory



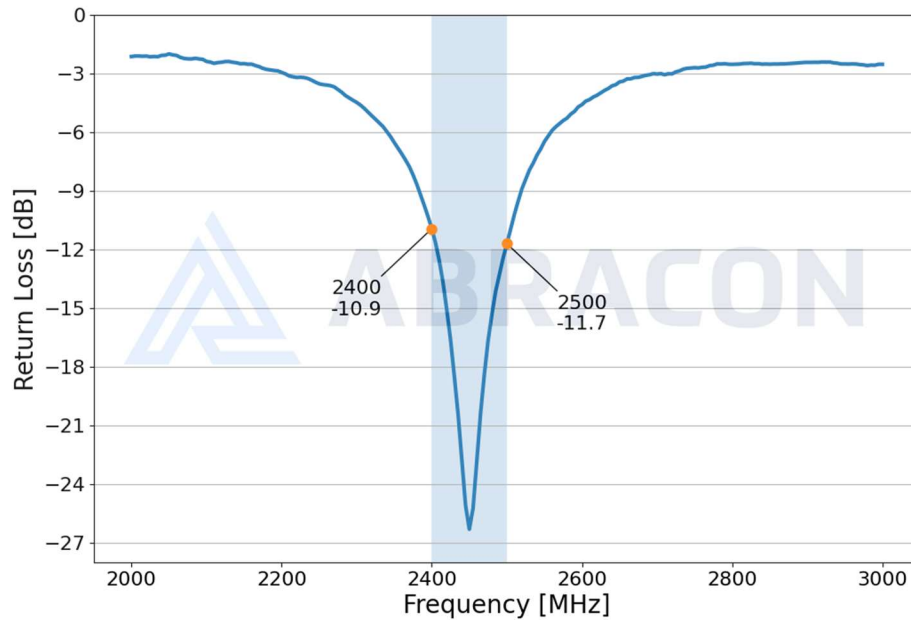
3.2 x 1.6 x 1.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A



Unit: mm



Return Loss



Ceramic Chip Antenna 2450 MHz



ACAG0301-2450-T

Request Samples

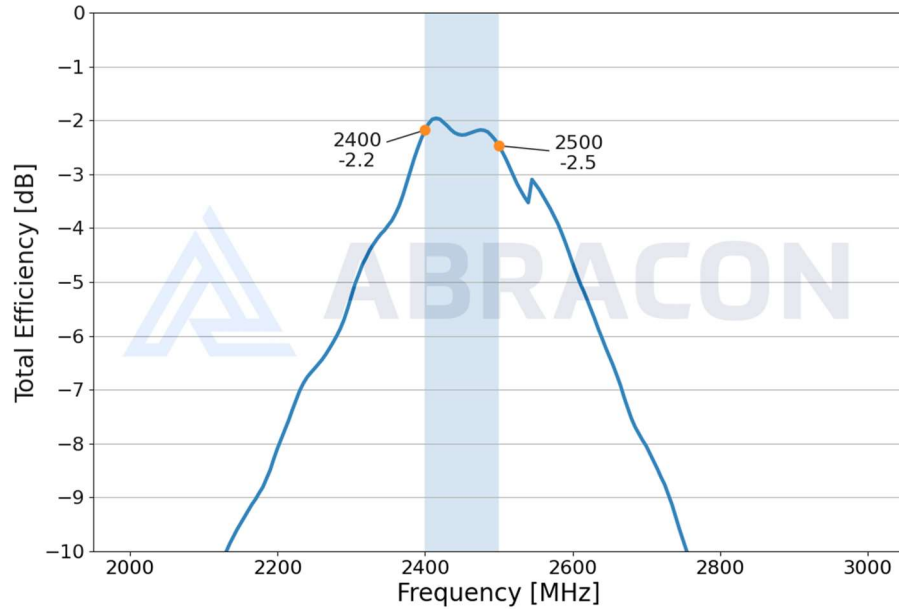


Check Inventory

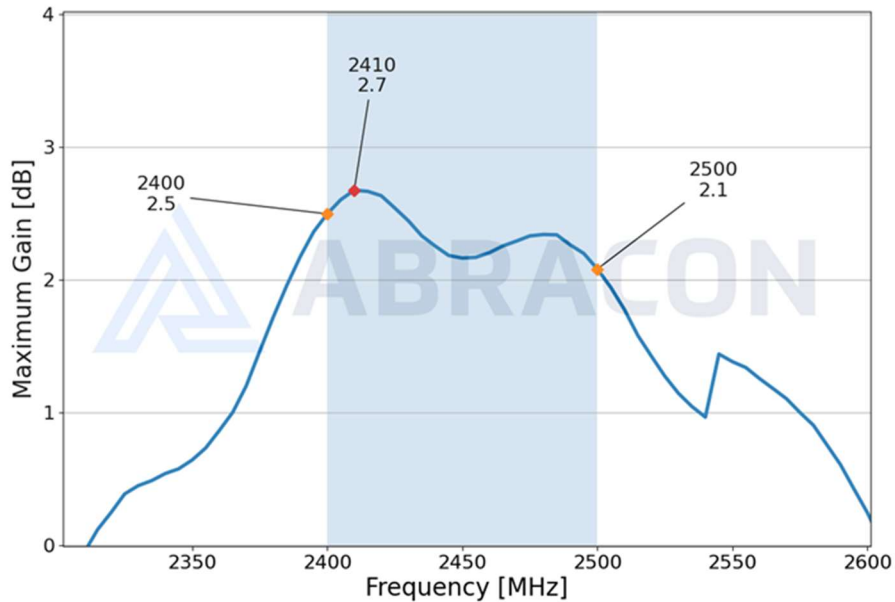


3.2 x 1.6 x 1.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Efficiency



Maximum Gain



5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 11-28-23

ABRACON IS
ISO9001-2015
CERTIFIED

Ceramic Chip Antenna 2450 MHz



ACAG0301-2450-T

Request Samples



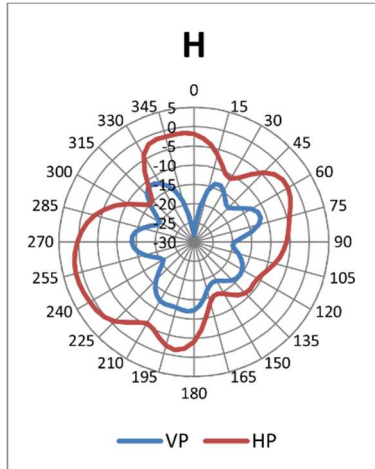
Check Inventory



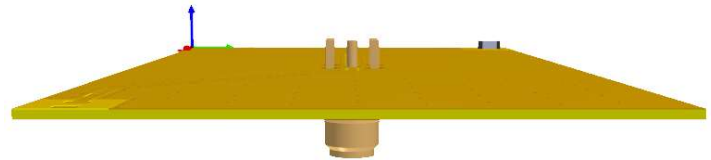
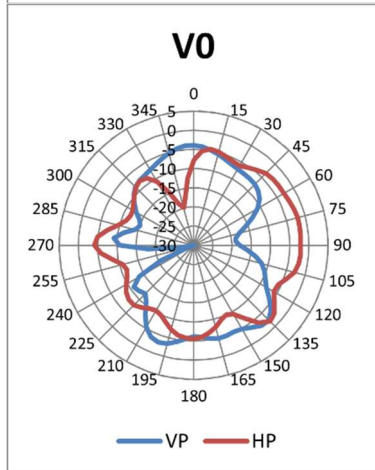
3.2 x 1.6 x 1.2 mm
 RoHS/RoHS II Compliant
 MSL Level = N/A

Radiation Characteristics – 2D Pattern @ 2450 MHz

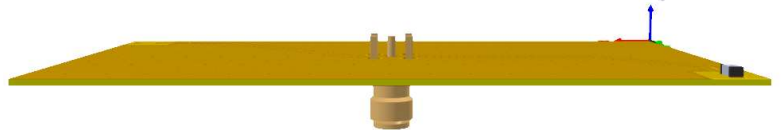
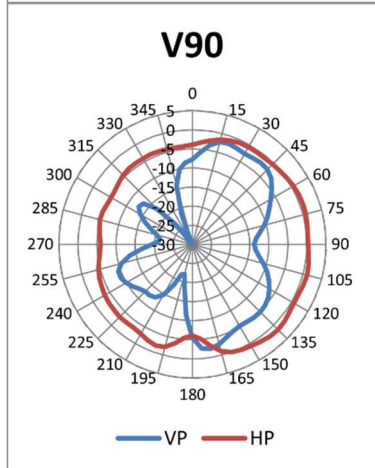
XY-plane:



YZ-plane:



XZ-plane:



VP: Vertical Polarization
 HP: Horizontal Polarization

Unit: dBi



5101 Hidden Creek Ln Spicewood TX 78669
 Phone: 512-371-6159 | Fax: 512-351-8858
 For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 11-28-23

ABRACON IS
 ISO9001-2015
 CERTIFIED

Ceramic Chip Antenna 2450 MHz



ACAG0301-2450-T

Request Samples

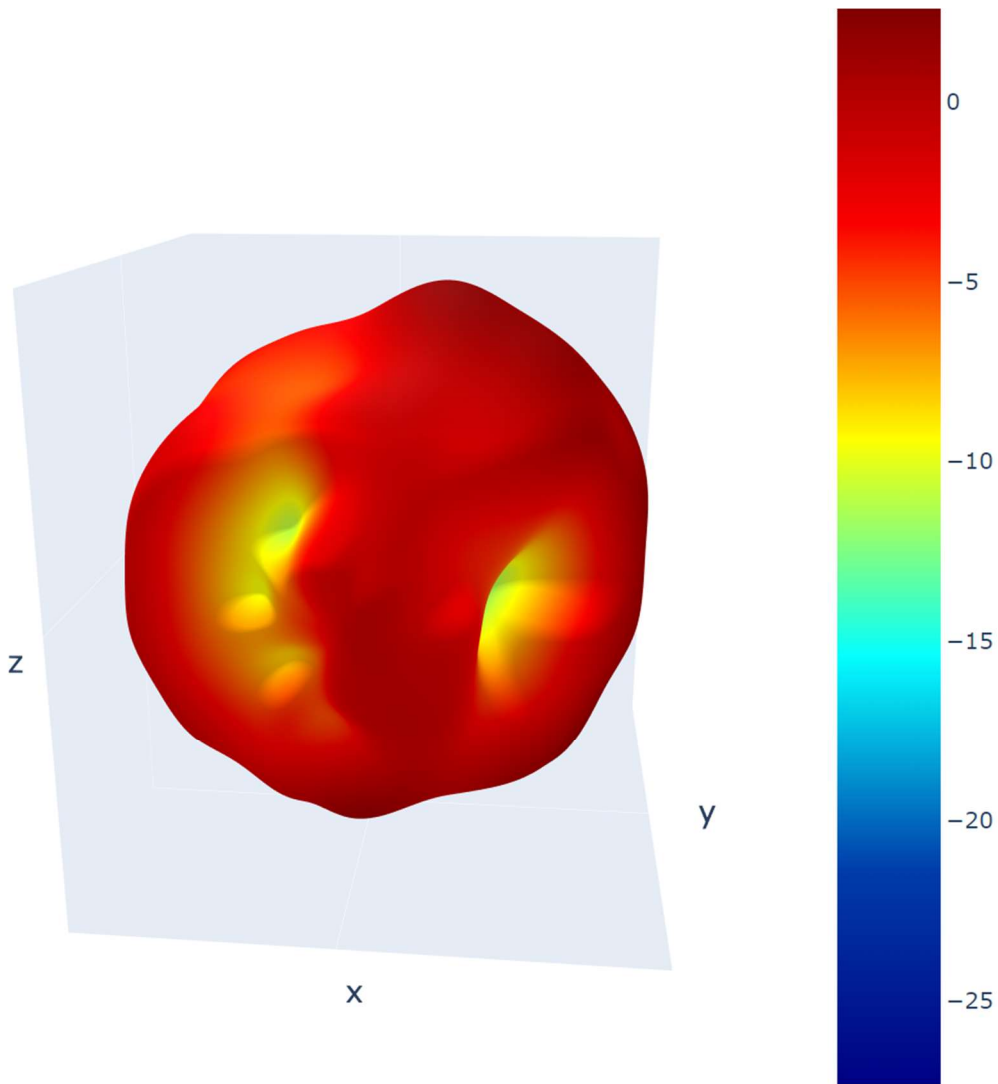
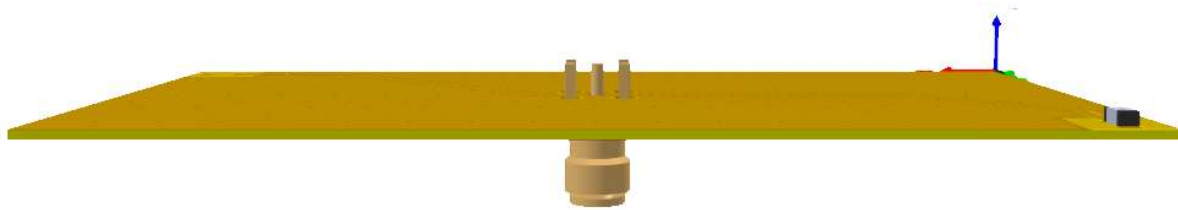


Check Inventory



3.2 x 1.6 x 1.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Radiation Characteristics – 3D Pattern @ 2450 MHz



Unit: dBi

Ceramic Chip Antenna 2450 MHz



ACAG0301-2450-T

Request Samples

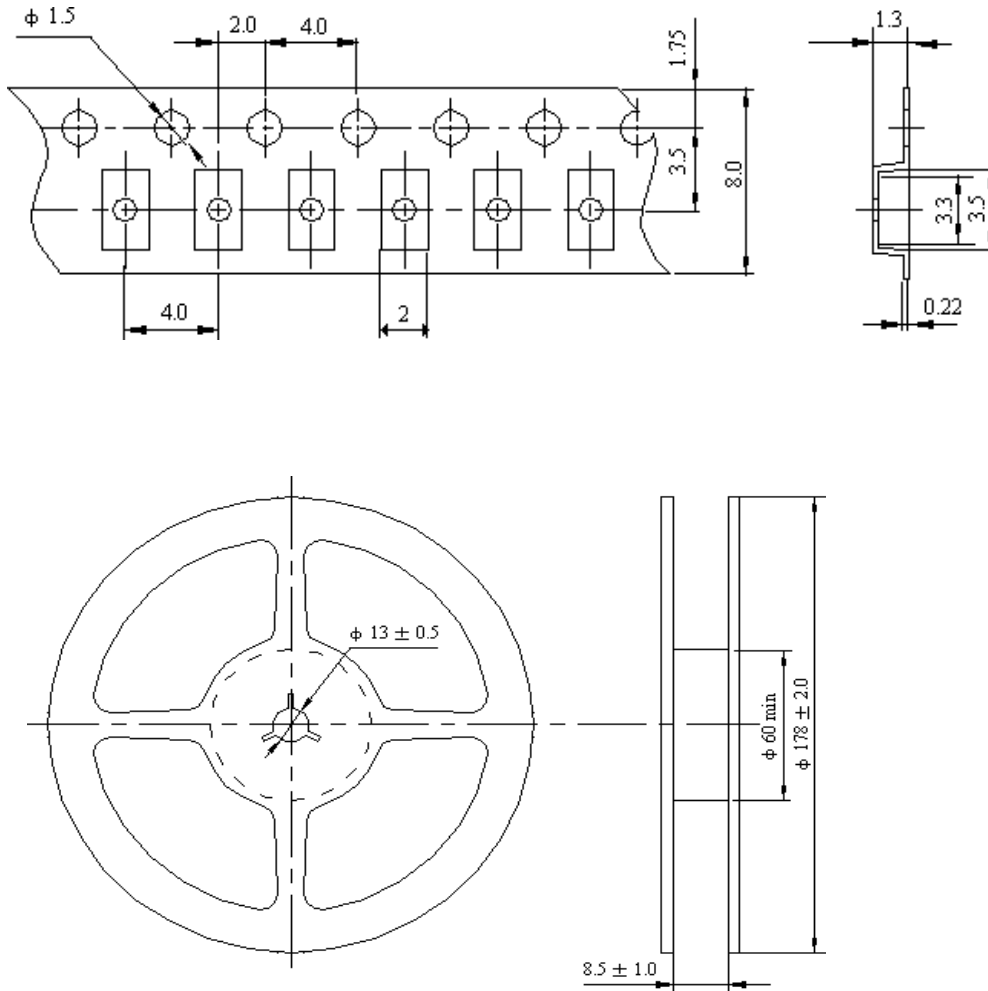


Check Inventory



3.2 x 1.6 x 1.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Packaging Information



There are **3000 pcs/Reel**.

Unit: mm

ATTENTION: Abracon LLC's products are Commercial-Off-The-Shelf ('COTS'), which are designed, intended, and validated for use in commercial, industrial, and automotive applications. The customer is responsible for testing and verifying the performance of an Abracon solution to meet their system-level requirements.



5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 11-28-23

ABRACON IS
ISO9001-2015
CERTIFIED