

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 %

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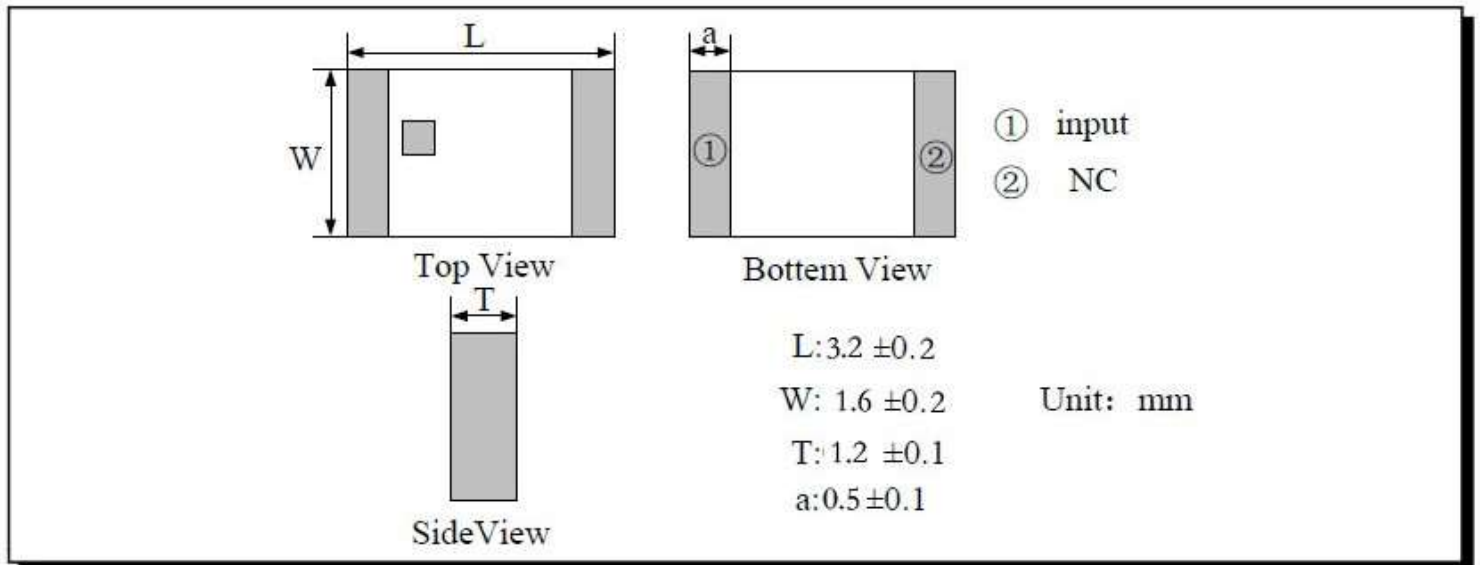


3.2 x 1.6 x 1.2 mm

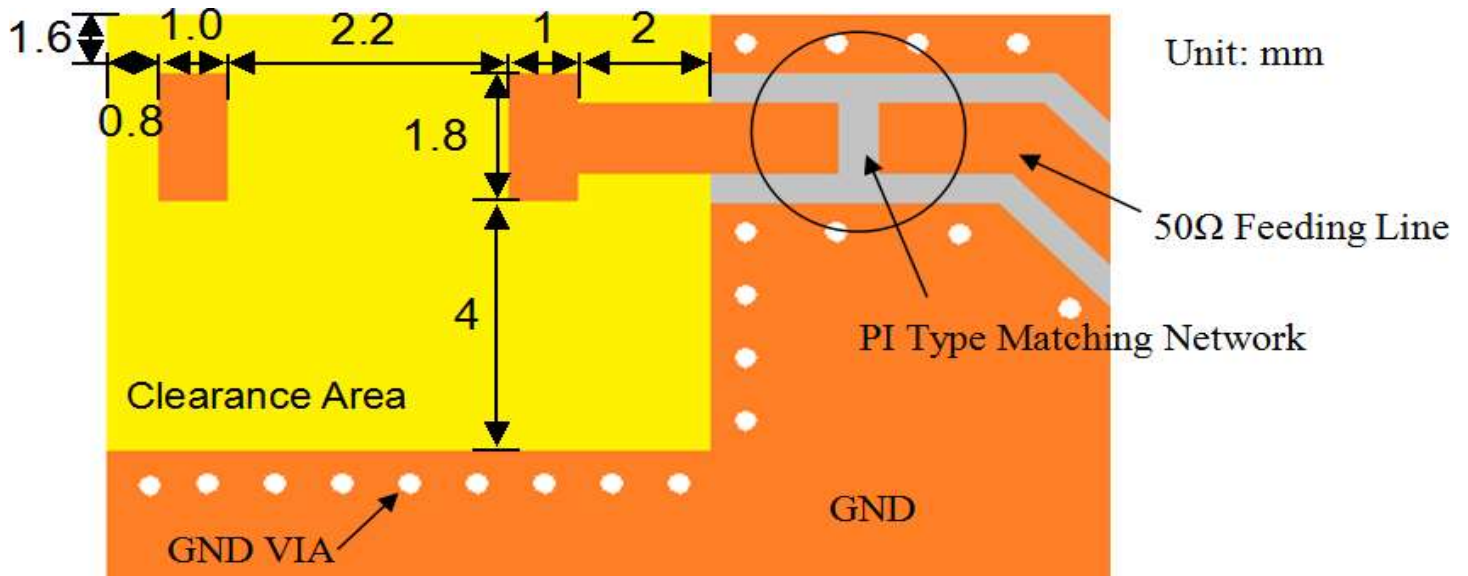
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Product Dimensions



Evaluation Board and Matching



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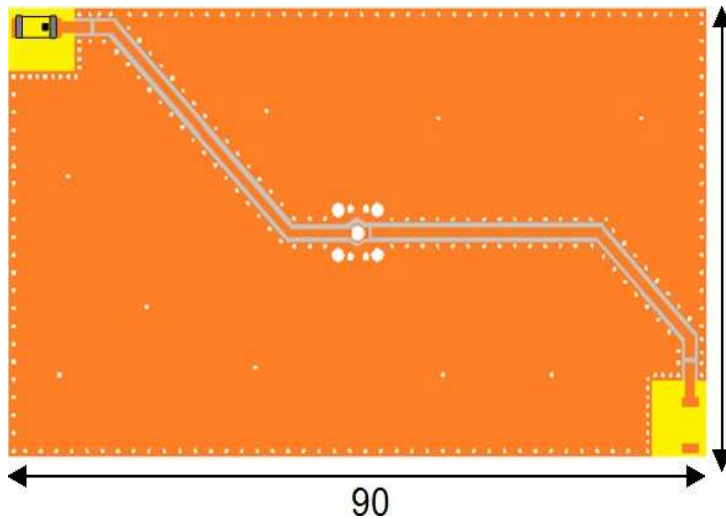
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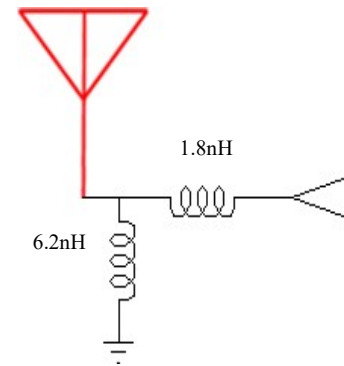
3.2 x 1.6 x 1.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A



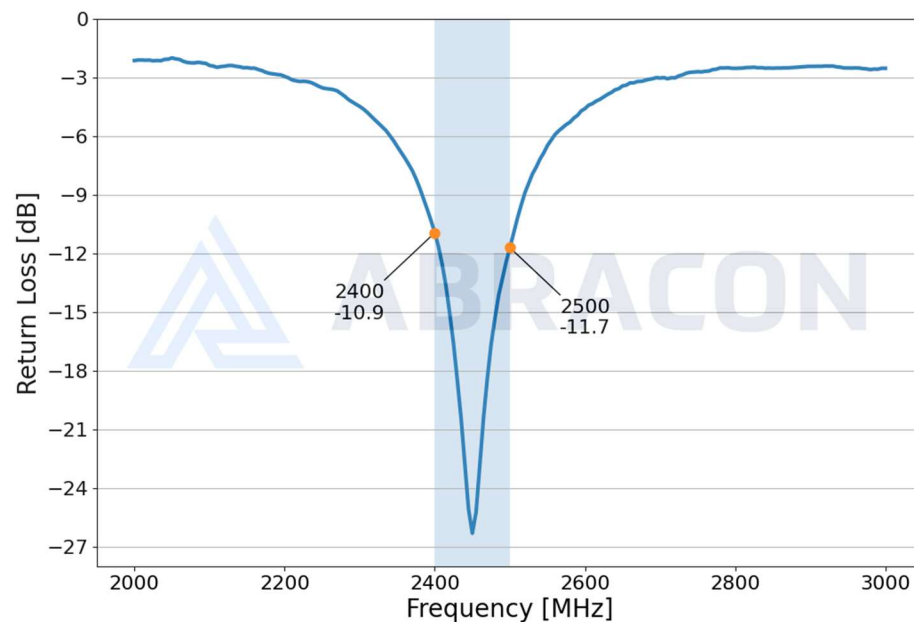
Unit: mm

50

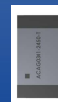
90



Return Loss



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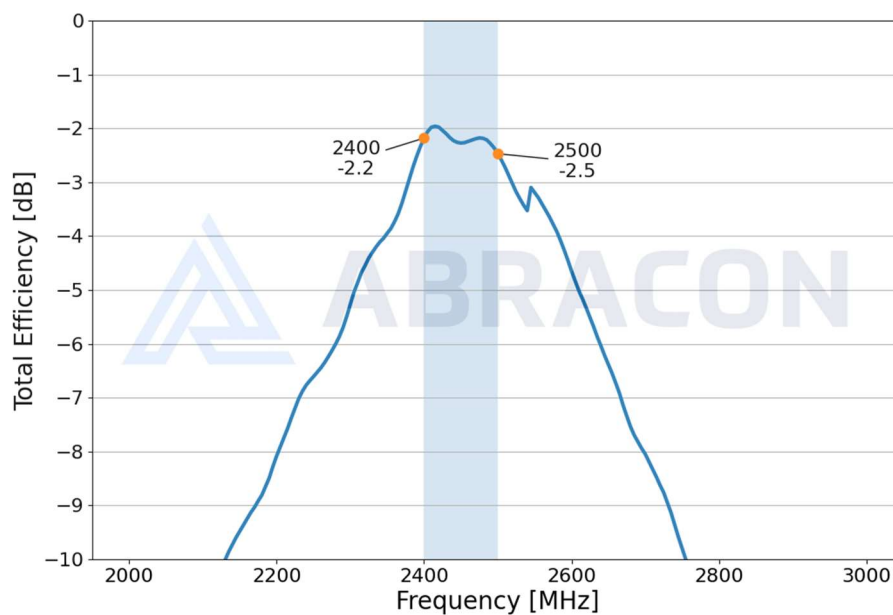


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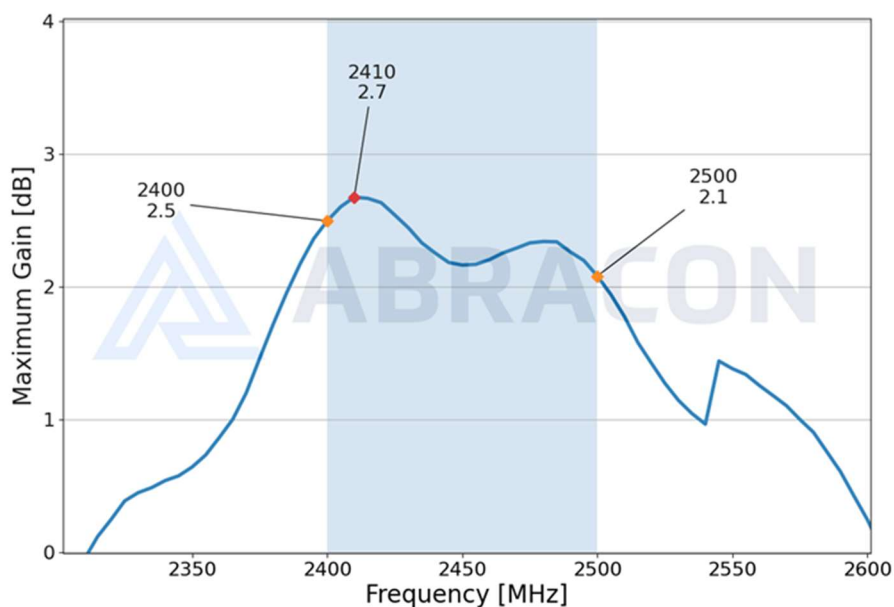
RoHS/RoHS II Compliant

MSL Level = N/A

Efficiency



Maximum Gain



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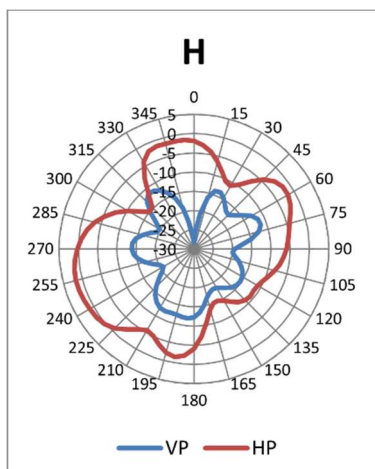
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RoHS/RoHS II Compliant

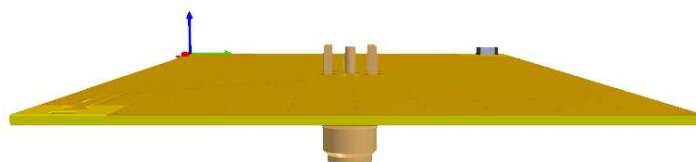
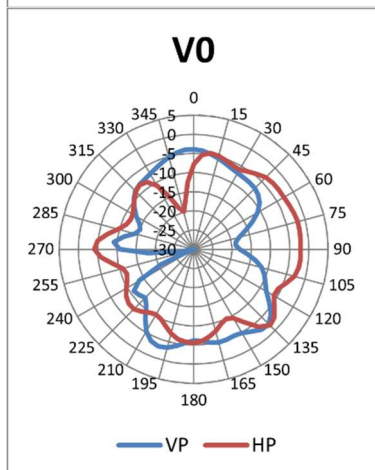
MSL Level = N/A

Radiation Characteristics – 2D Pattern @ 2450 MHz

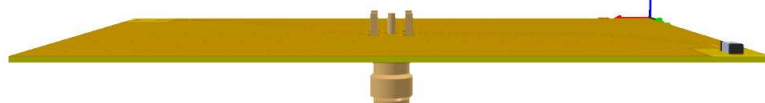
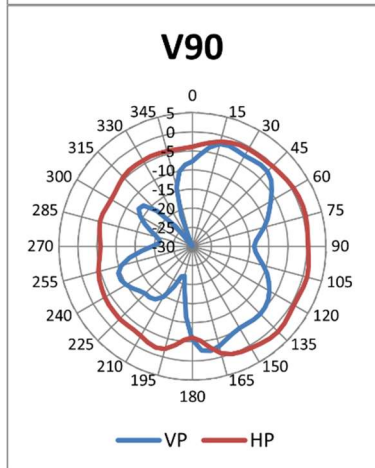
XY-plane:



YZ-plane:



XZ-plane:



VP: Vertical Polarization
HP: Horizontal Polarization

Unit: dBi

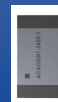


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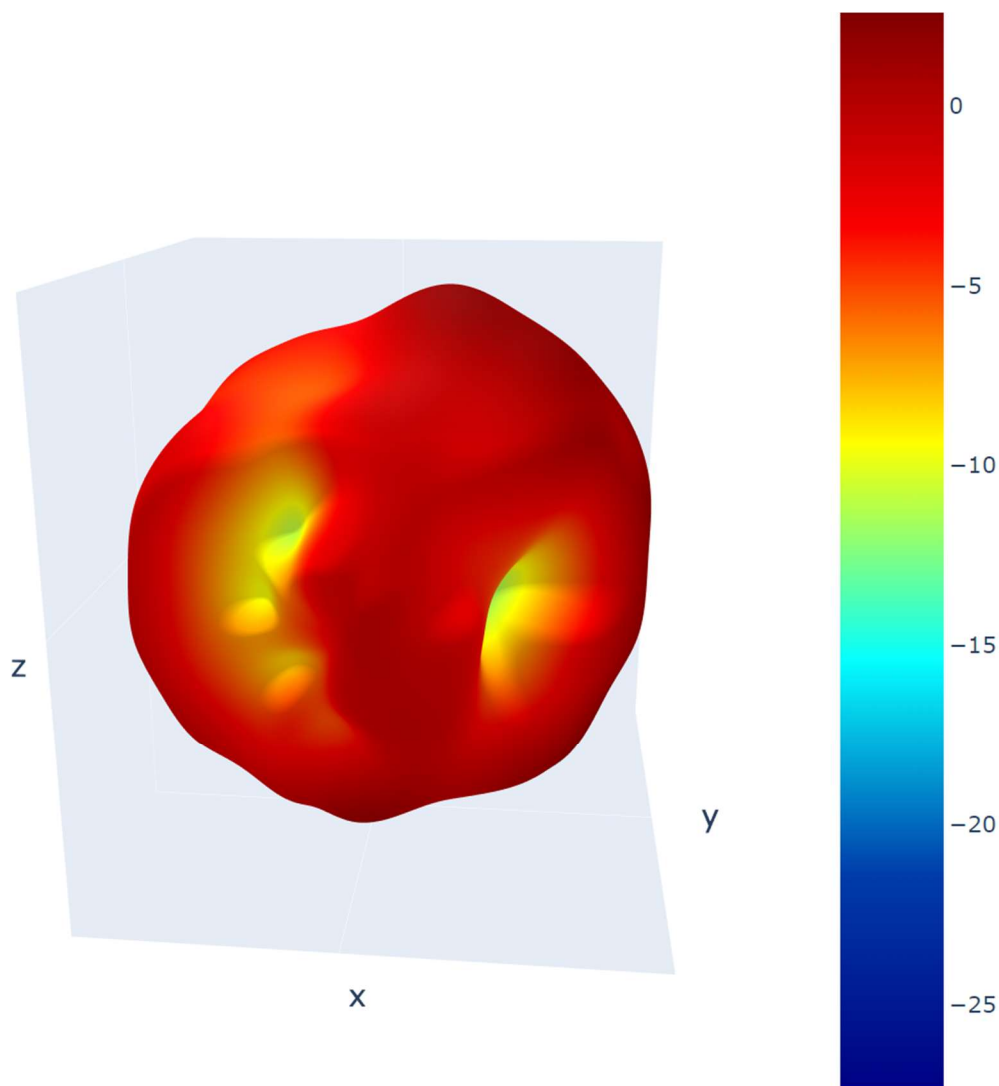
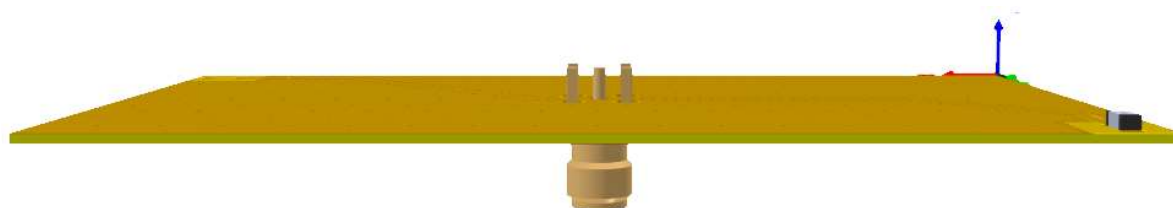


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Radiation Characteristics – 3D Pattern @ 2450 MHz



Unit: dBi

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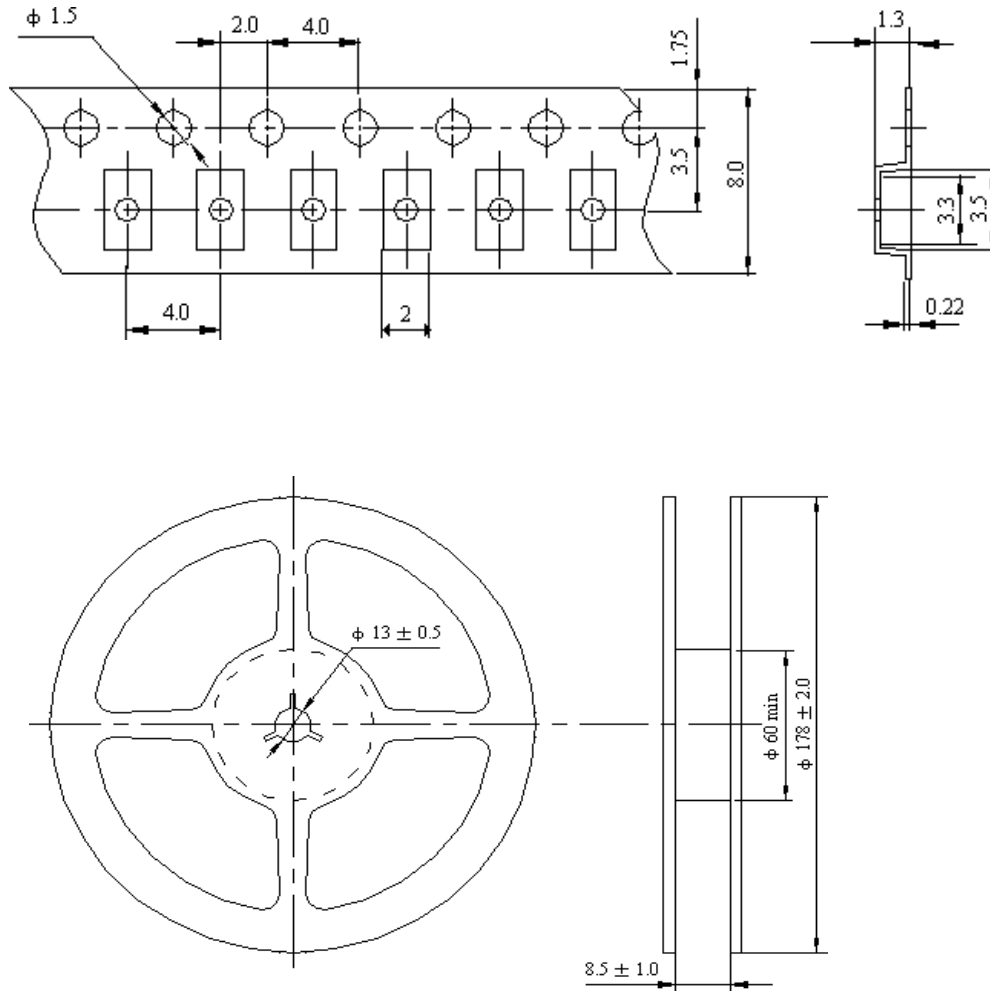


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MSL Level = N/A

Packaging Information



There are **3000 pcs/Reel**.

Unit: mm

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