

2.45 GHz Ceramic Chip Antenna



ACAG0301-2450-T



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

Features

- Low VSWR
- High gain of 5.19 dBi
- Bandwidth of 100MHz
- Omnidirectional pattern
- Linear polarization

Applications

- WiFi
- Bluetooth
- ISM
- Wearables
- IoT
- AR/VR
- Drones

Electrical Specifications

Parameters	Min.	Typ.	Max.	Units
Center Frequency (No matching)		2875		MHz
Center Frequency (After matching)		2450		MHz
Bandwidth		100		MHz
VSWR		≤ 2.0		
Impedance		50		Ω
Gain		5.19		dBi
Azimuthal Beam width	Omni-directional			
Polarization	Linear			

Environmental Characteristics

Parameters	Description
Operating Temperature	-40°C to +105°C
Relative Humidity	55 ~ 75 %

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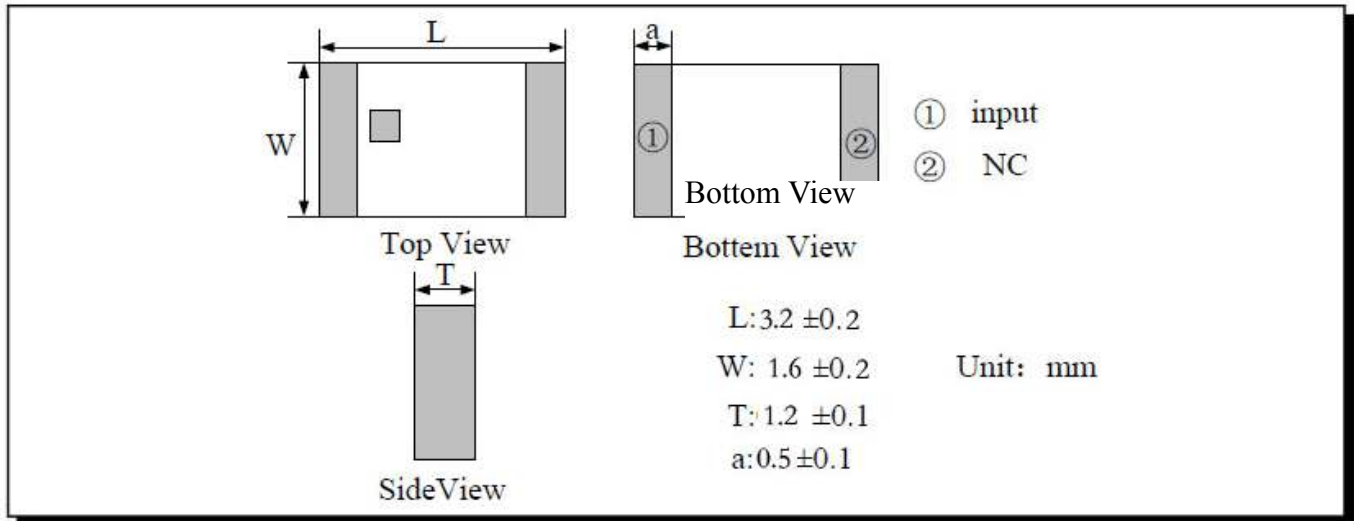


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Product Dimensions (Unit: mm)



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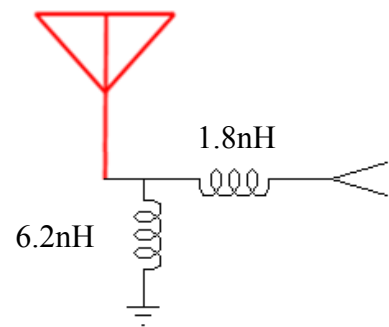
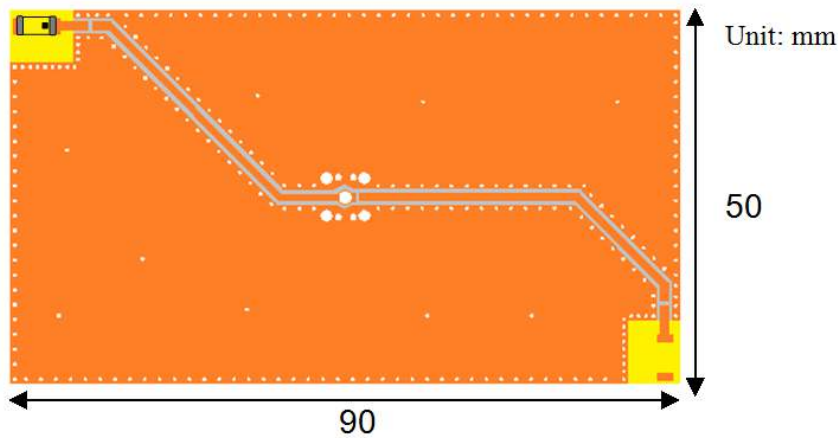
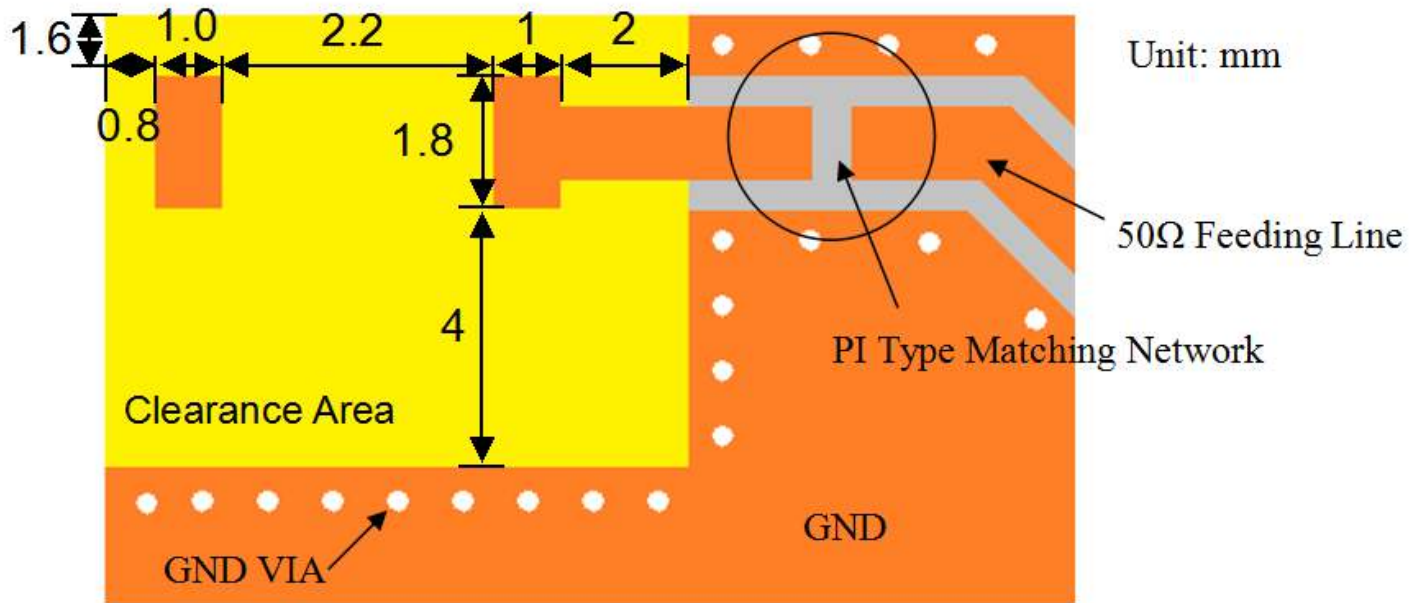


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Evaluation Board and Matching Circuits



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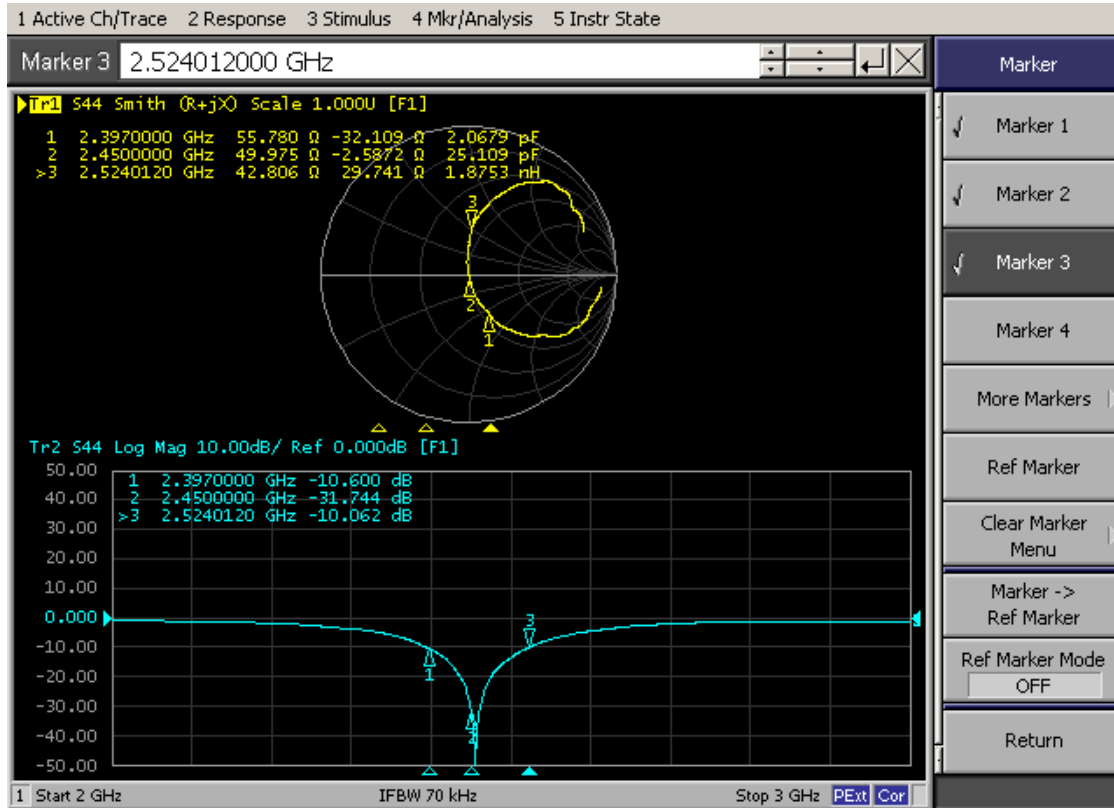


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Return Loss and Impedance Characteristics



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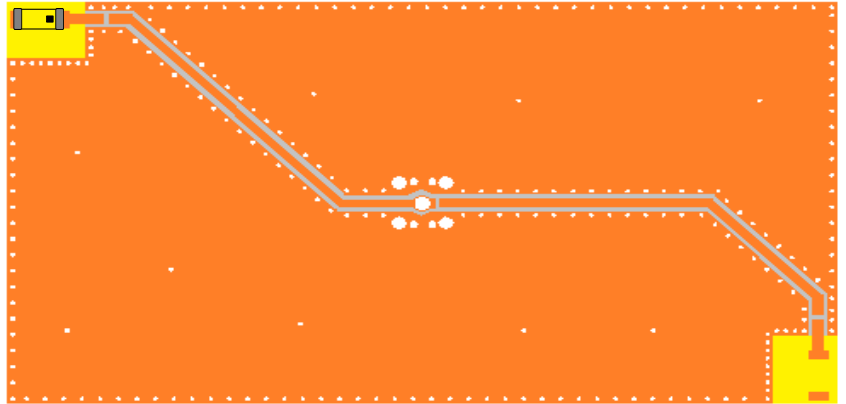
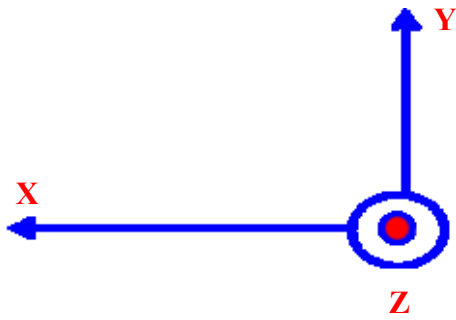


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Radiation Pattern



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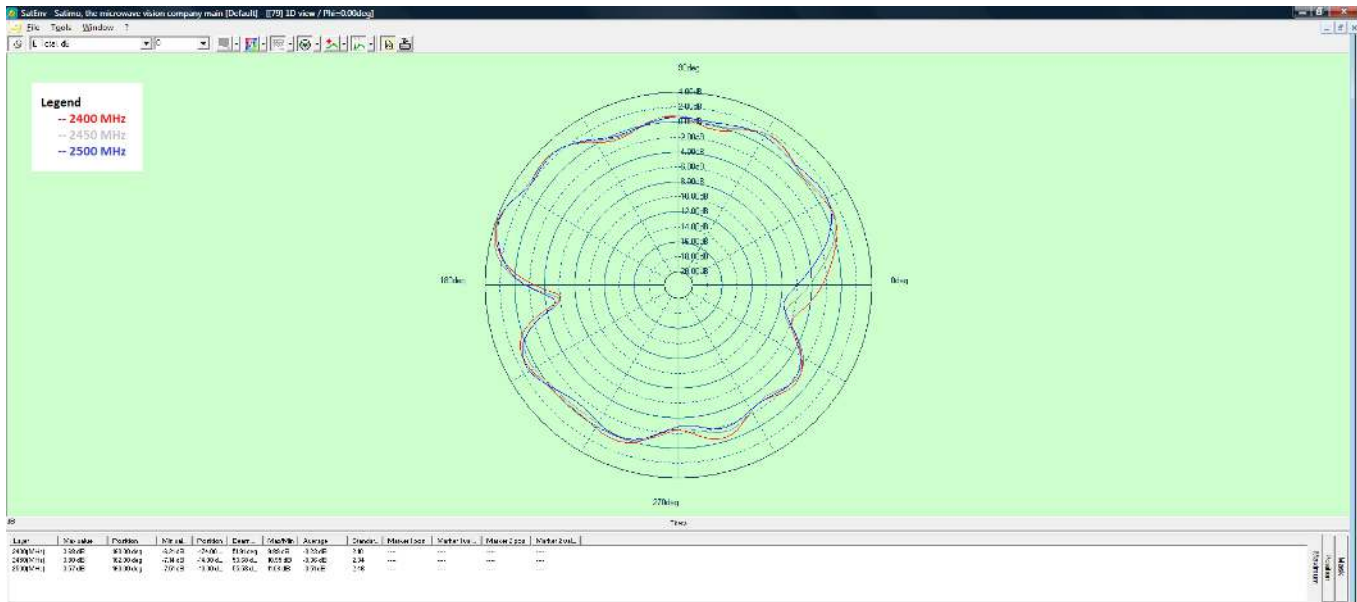


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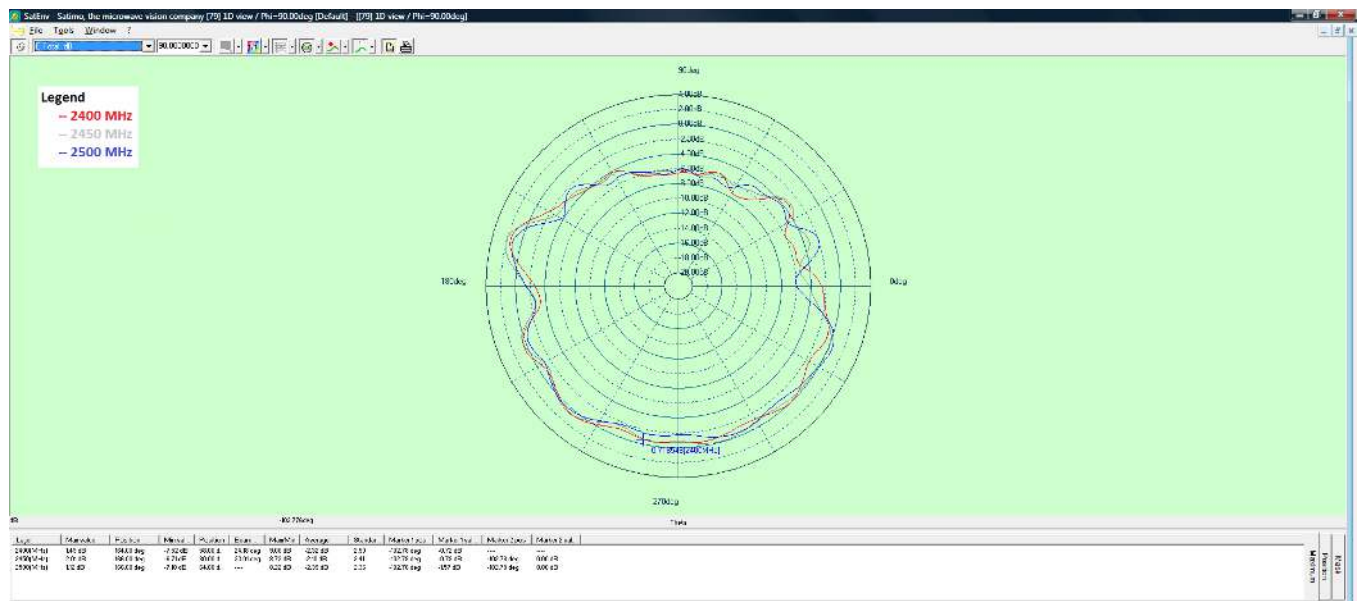
Radiation Pattern

2D – Pattern

XZ- Plane



YZ- Plane



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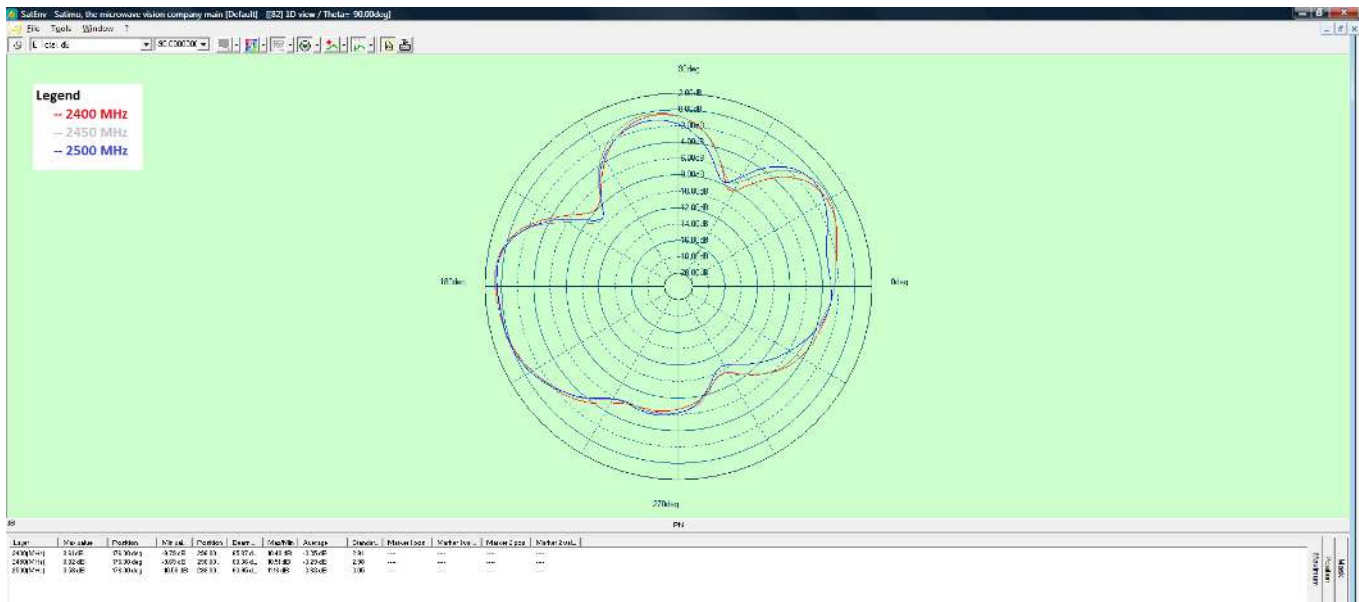


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Radiation Pattern

2D – Pattern

XY- Plane



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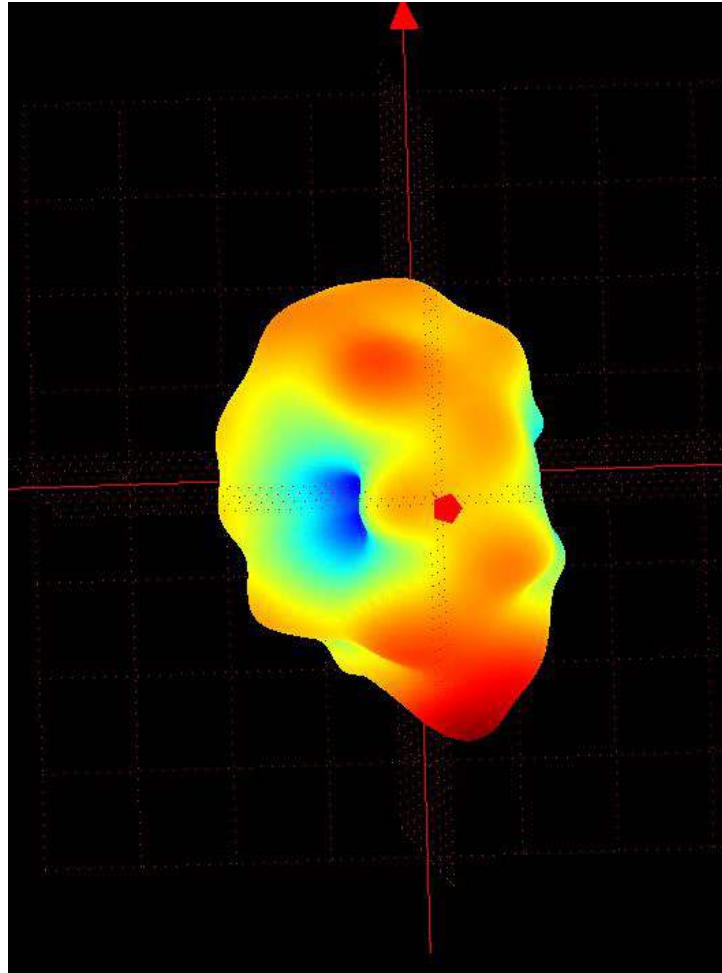
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Radiation Patterns

3D – Pattern



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

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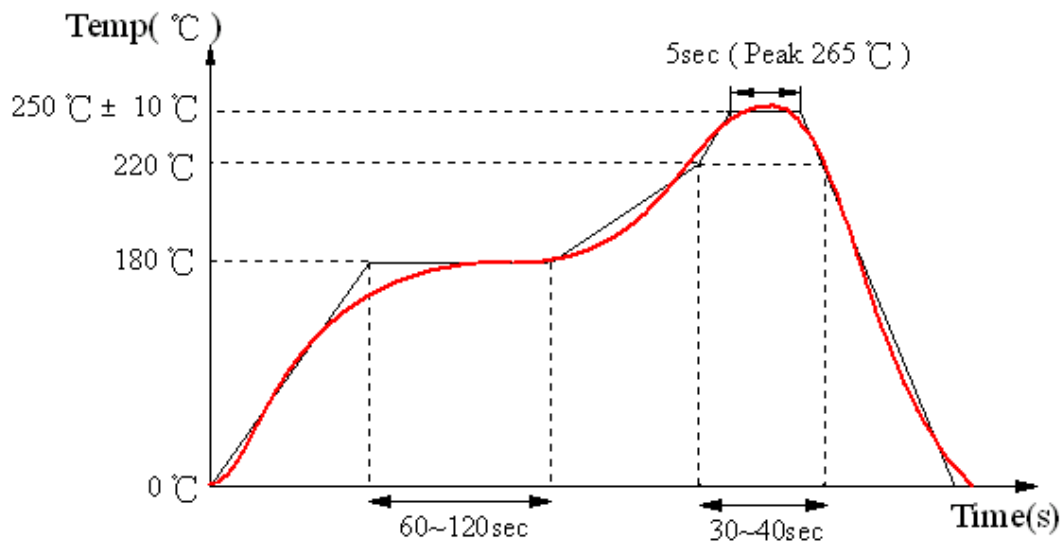


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Reflow Soldering Standard Condition



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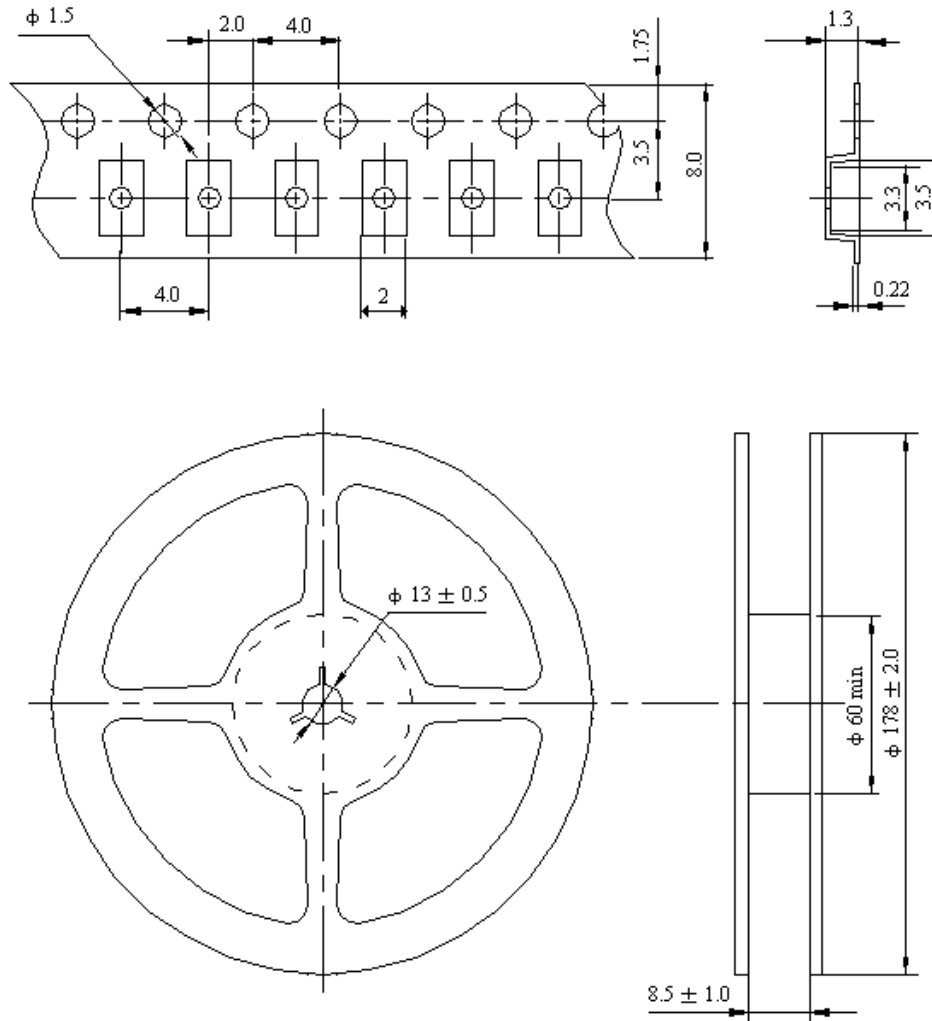
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Packaging

There are 3000 pcs/Reel.



Unit : mm

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