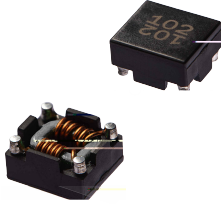


BCMA Series

Common Mode Filters For Automotive Signal Line Size 1009



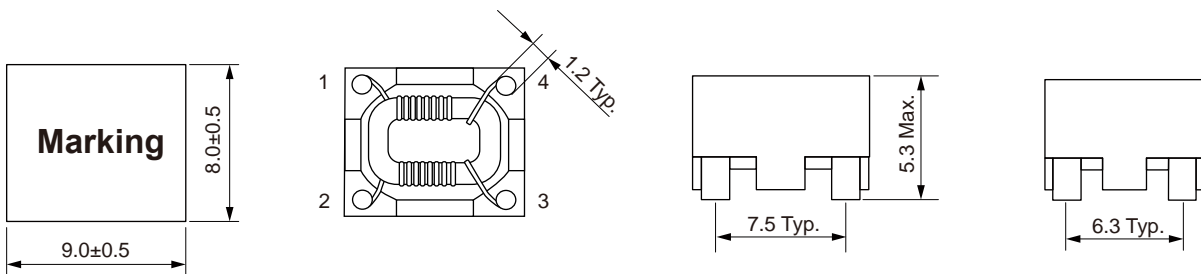
FEATURES

- High common mode impedance at high frequency cause excellent noise suppression performance
- Designed to be low profile and Supports large currents (up to 5 A)
- Operating temperature range: -40 to +125°C
- AEC-Q200 qualified
- Quantity: 1000pcs

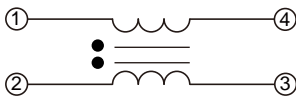
APPLICATION

- Measures against common mode noise in power lines
Headlamps, tail lamps and interior lighting
- HVAC
- Doors, window li and seat control
- Audio subsystem
- Digital instrument cluster
- In-Vehide Infotainment and navigation

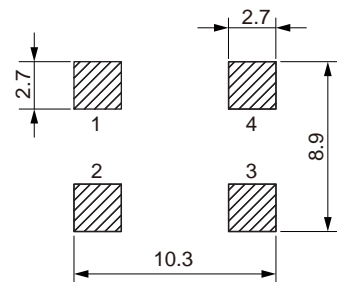
Dimensions: [mm]



Schematic:



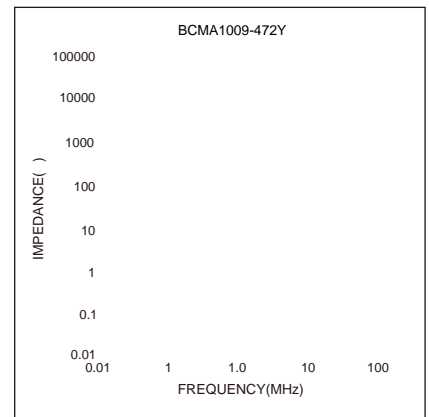
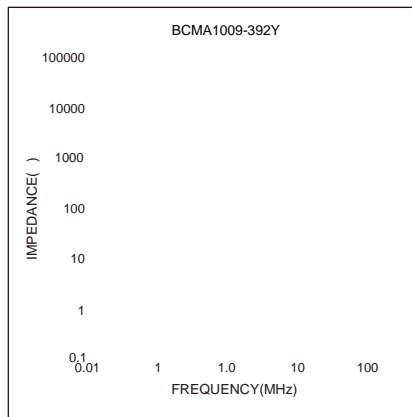
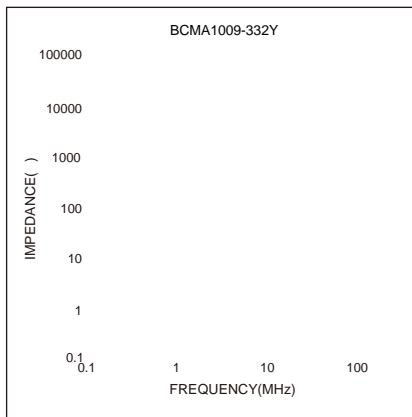
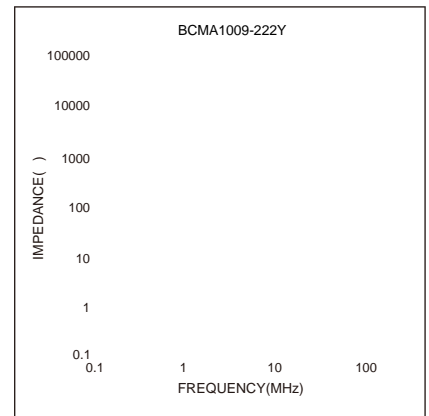
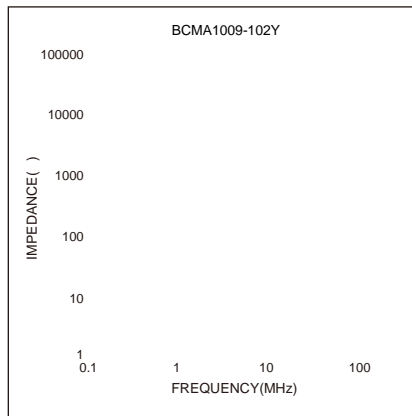
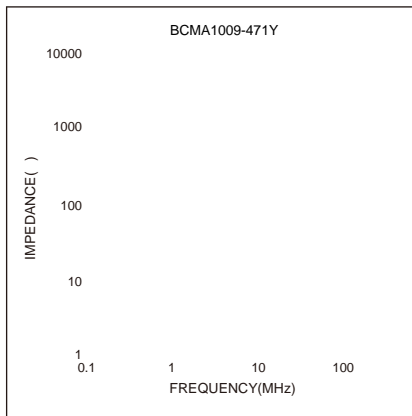
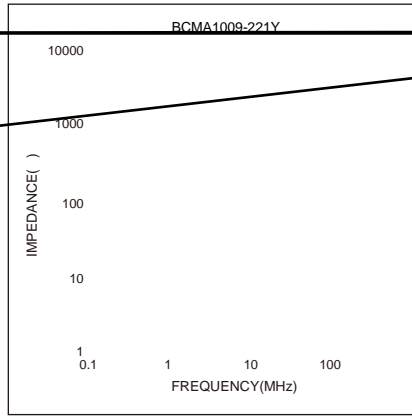
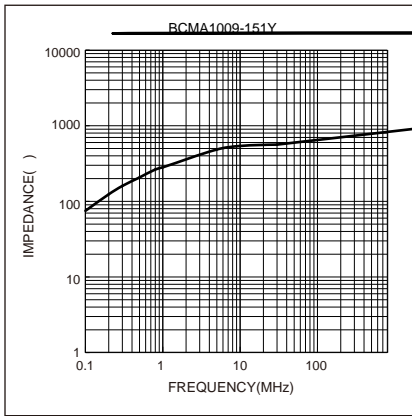
Land Pattern: [mm]



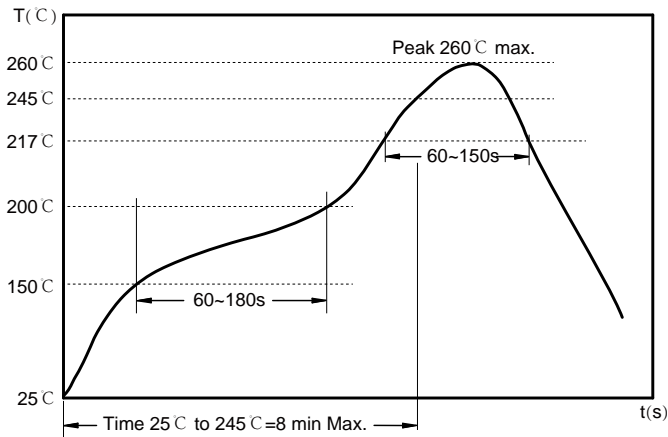
Electrical Properties:

BCMA1009-050Y	5					
BCMA1009-090Y	9					
BCMA1009-110Y	11					
BCMA1009-300Y	30					
BCMA1009-500Y	50					
BCMA1009-121Y	120					
BCMA1009-151Y	150					
BCMA1009-221Y	220					
BCMA1009-251Y	250					
BCMA1009-471Y	470					
BCMA1009-102Y	1000					
BCMA1009-222Y	2200					
BCMA1009-332Y	3300					
BCMA1009-392Y	3900					
BCMA1009-472Y	4700					

Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$



Soldering Reflow:



Preheat condition: 150 ~200 °C / 60~180 sec.

Allowed time above 217 °C: 60~150 sec.

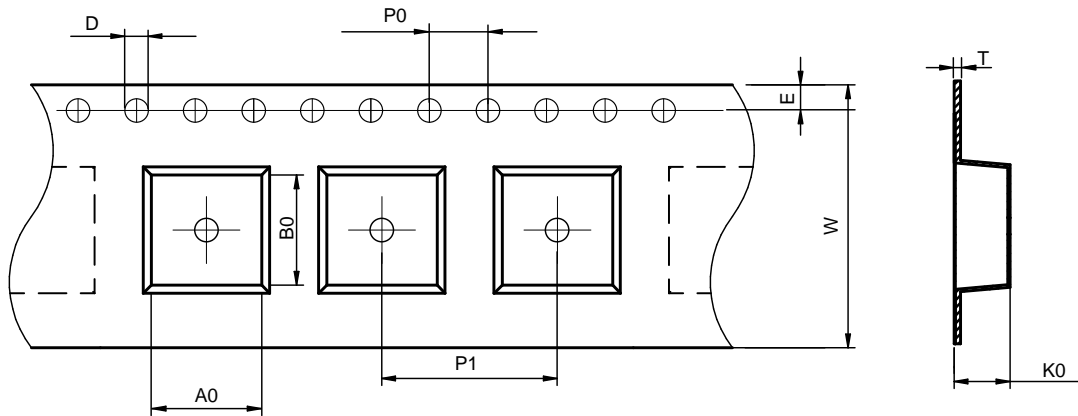
Max temperature: 260 °C .

Max time at max temperature: 10 sec.

Allowed Reflow time: 3x max.

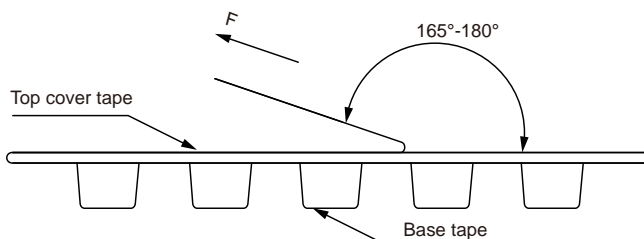
Packaging Information:

Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
BCMA1009	8.6± 0.1	10.5± 0.1	1.5± 0.1	4.0± 0.1	12.0± 0.1	24.0± 0.3	5.4± 0.1	1.75± 0.1	0.40± 0.05

Peel force of top cover tape:

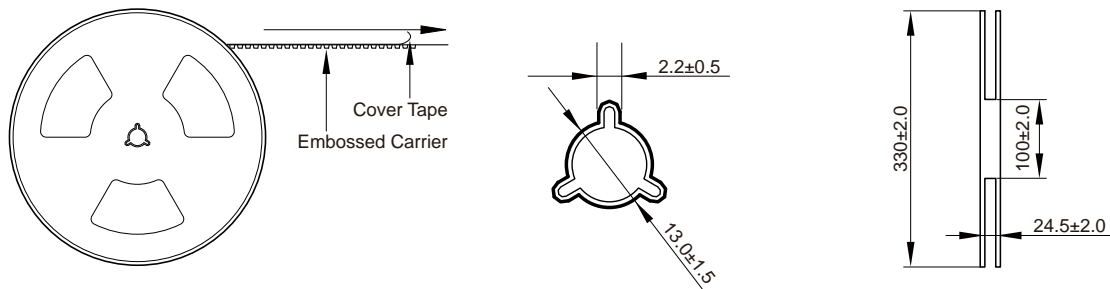


The peel force of top cover tape shall be between 0.20 to 1.17 N

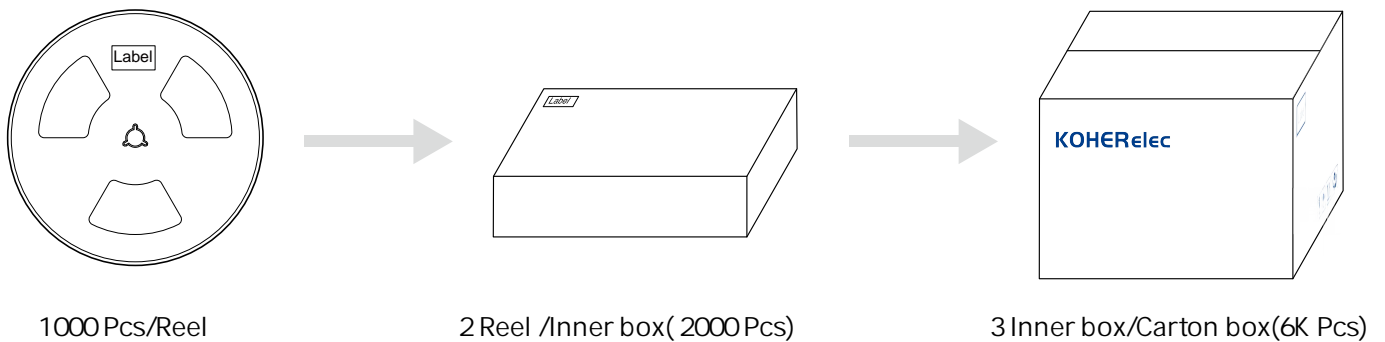
Product Marking:

Marking	Printing Inductance)
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Reel Dimension: [mm]



Packaging Quantity:



Cautions and Warnings:

Storage Conditions :

- The storage period is within 12 months after the completion of production. Be sure to follow the storage conditions (temperature: -5 to 35°C, humidity: 75% RH Max).If the storage period elapses, the soldering of the terminal electrodes may deteriorate.The warranty period is one year.
- Product should not be exposed to environment with high temperature, high humidity, dust, corrosive gas and etc.
- Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- Please always handle products carefully to prevent any damage caused by dropping down or inappropriate removing.

Operation Instructions:

- Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- Before soldering, be sure to preheat components.The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.
- Soldering corrections after mounting should be within the range of the conditions determined in the specifications.If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.
- Generally, Koher might not be familiar with either customer's specific application or actual requests as customer does.As a result customer shall be responsible for checking and confirming whether Koher product with the performance described in the product specification is suitable for using in customer's particular application or not.