

BCMA Series

Common Mode Filters For Automotive Power Line

Size 1211



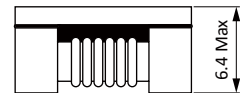
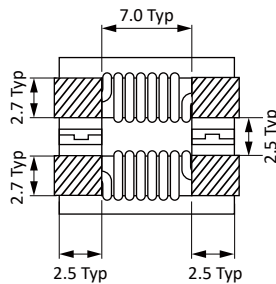
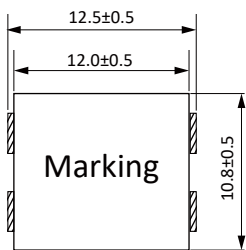
FEATURES

- High common mode impedance cause excellent noise suppression performance.
- AEC-Q200 qualified
- Operating temperature-40 to +125 °C
- Quantity: 500pcs

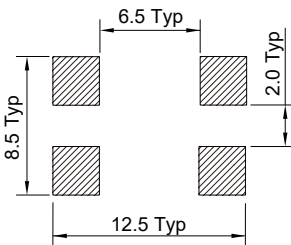
APPLICATIONS

- Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices

Dimensions: [mm]



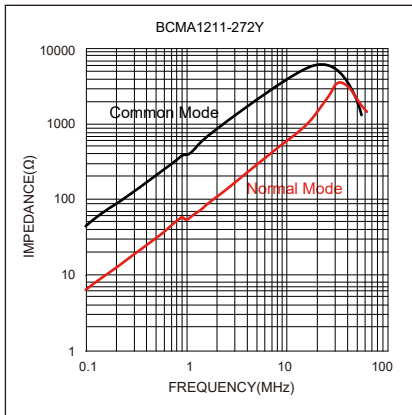
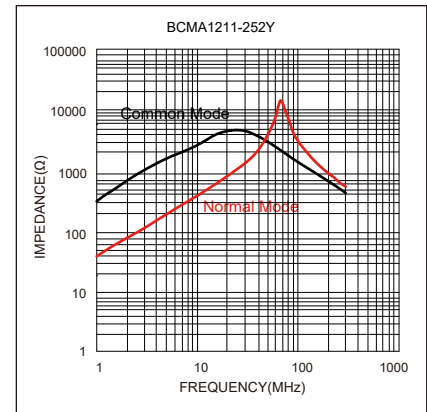
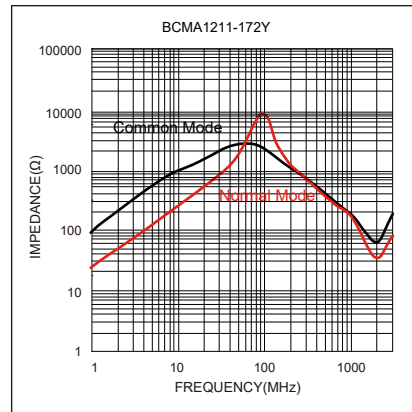
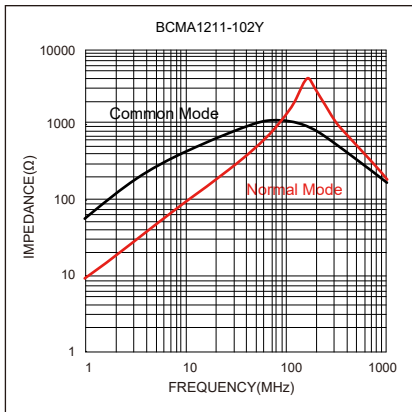
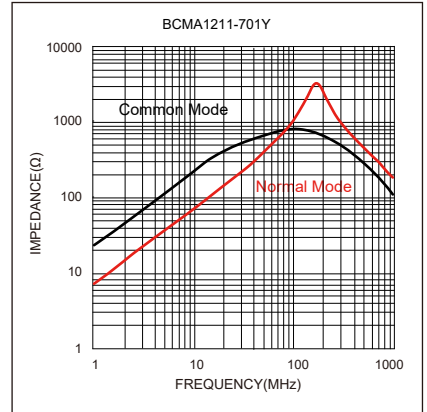
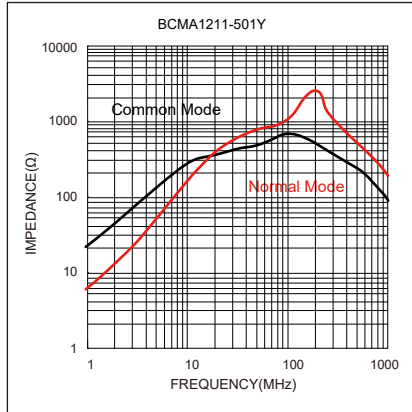
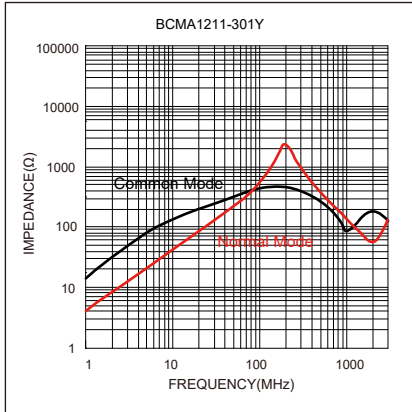
Land Pattern: [mm]



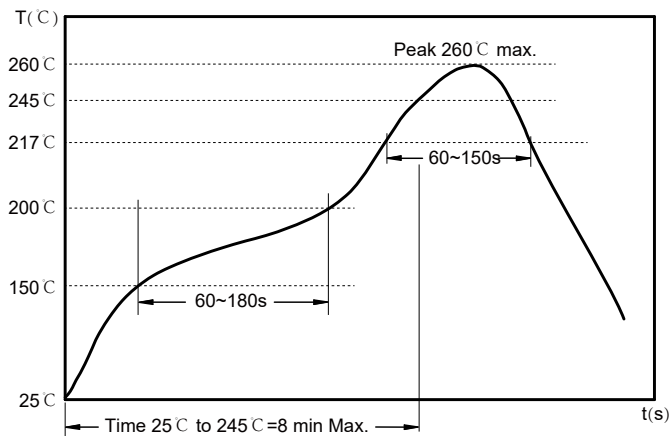
Electrical Properties:

Part No	Z @ 100 MHz Min. (Ω)	Z @ 100 MHz Typ. (Ω)	I _R Max. (A)	R _{DC} Max. (mΩ)	V _{DC} Max. (Volts)	IR Min. (MΩ)
BCMA1211-301Y	200	300	9.0	4.0	80	10
BCMA1211-501Y	300	500	8.0	5.5	80	10
BCMA1211-701Y	500	700	8.0	6.0	80	10
BCMA1211-102Y	750	1000	6.0	14	80	10
BCMA1211-172Y	1200	1700	4.8	12	80	10
BCMA1211-252Y	2200	2500	1.8	35	80	10
BCMA1211-272Y	2300	2700	1.5	50	80	10

Typical Electrical Characteristics:



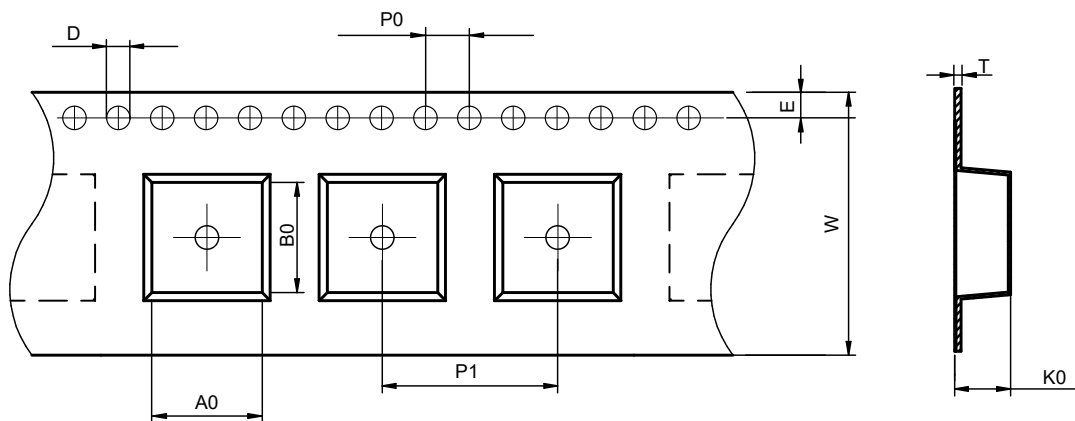
Soldering Reflow:



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.

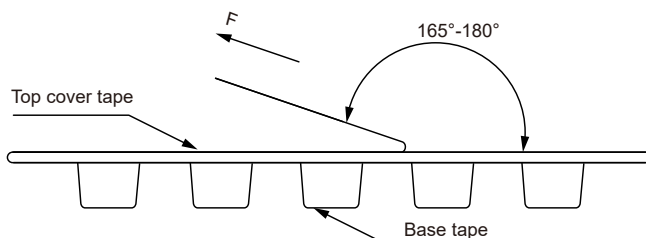
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
BCMA1211	11.3±0.1	13.0±0.1	1.5±0.1	4.0±0.1	16.0±0.1	24.0±0.3	6.6±0.1	1.75±0.1	0.40±0.05

Peel force of top cover tape:

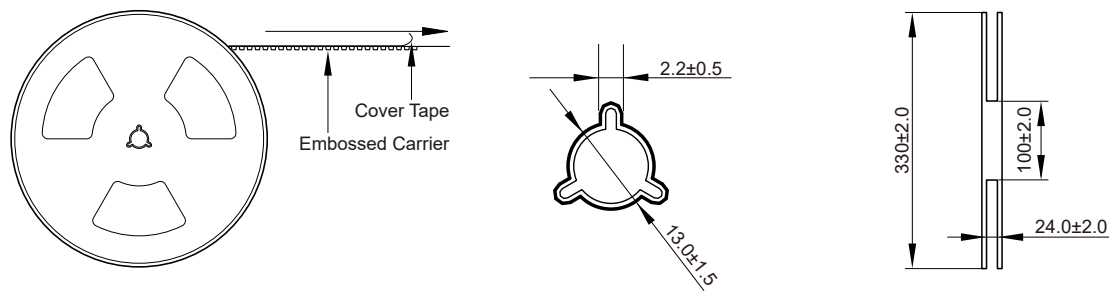


The peel force of top cover tape shall be between 0.10 to 1.17 N

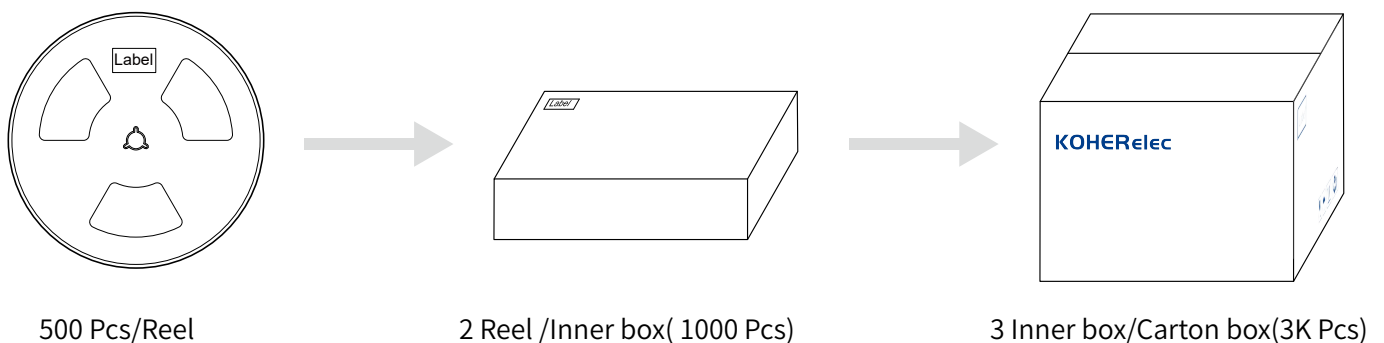
Product Marking:

Marking	Printing (Impedance)
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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.