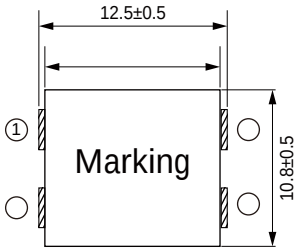
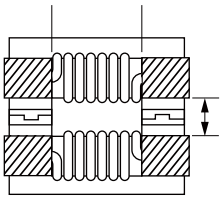
Common Mode Filters For Automotive Power Line
Size 1211

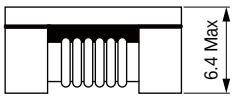
- High common mode impedance cause excellent noise suppression performance.
- AEC-Q200 qualified
- Opera ng temperature: -40 to +125 °C
- Quan ty: 500pcs

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

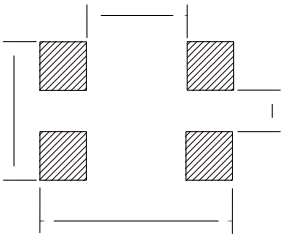
Dimensions: [mm]







Schematic:



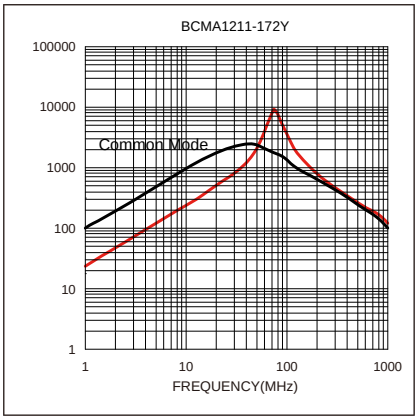
Electrical Properties:

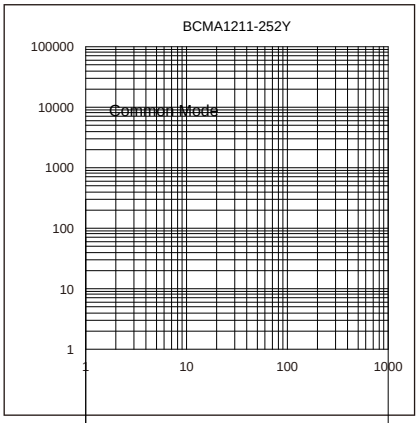
Part No	Impedance Min. (Ω)	Impedance Typ. (Ω)	Test Condi on (MHz)	Rated Current Max. (A)	DC Resistance Max. (mΩ)	Rated Voltage Max. (Volts)	Insula on Resistance Min. (MΩ)
BCMA1211-301Y	200	300	100	9.0	4.0	125	10
BCMA1211-501Y	300	500	100	8.0	5.5	125	10
BCMA1211-701Y	500	700	100	9.0	6.0	125	10
BCMA1211-102Y	750	1000	100	6.0	14	125	10
BCMA1211-172Y	1200	1700	100	4.8	12	125	10
BCMA1211-252Y	2200	2500	50	1.8	35	125	10
BCMA1211-272Y	2300	2700	50	1.5	50	125	10

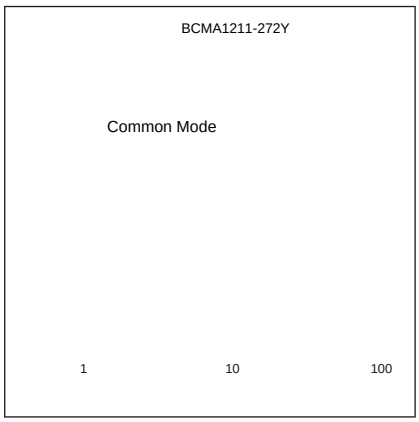
Rated Current: Temperature.rise 40°C Typ.

Typical Electrical Characteristics:

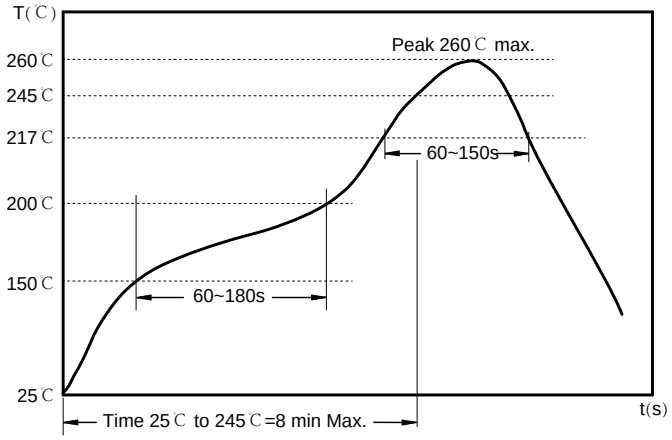
IMPEDANCE(Ý)







Soldering Reflow:



Preheat condition: 150 ~200 ℃/ 60~180 sec.

Allowed time above 217 ℃: 60~150 sec.

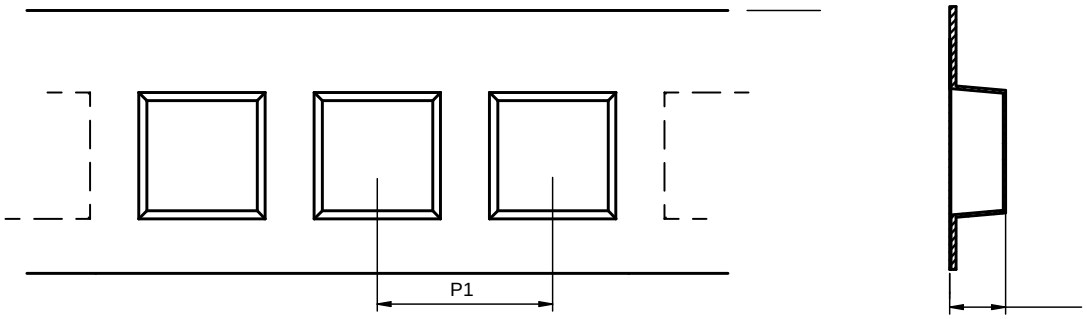
Max temperature: 260 ℃.

Max time at max temperature: 10 sec.

Allowed Reflow time: 3x max.

Packaging Information:

Tape Dimension:

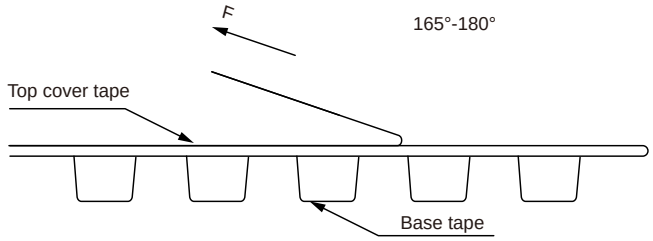


A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
11.3 ± 0.1	13.0 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	16.0 ± 0.1	24.0 ± 0.3	6.6 ± 0.1	1.75 ± 0.1	0.40 ± 0.05

Product Marking:

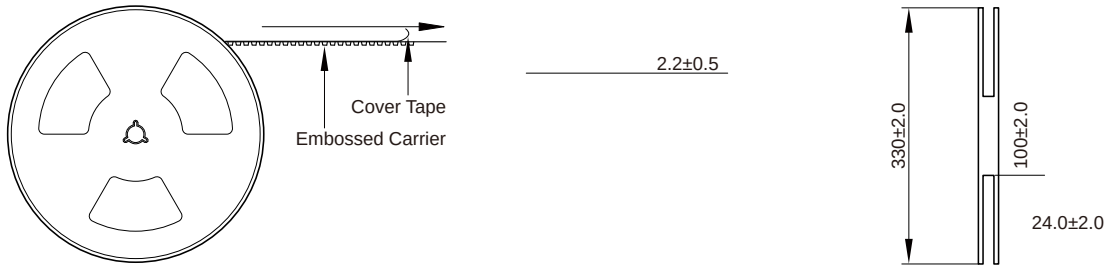
Marking	Printing Impedance)

Peel force of top cover tape:

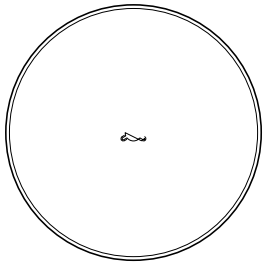


The peel force of top cover tape shall be between 0.10 to 1.17 N

Reel Dimension：[mm]



Packaging Quantity:



500 Pcs/Reel

2 Reel /Inner box(1000 Pcs)

3 Inner box/Carton box(3K Pcs)

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.
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