

BCMA Series

Common Mode Filters For Automotive Power Line

Size 7060



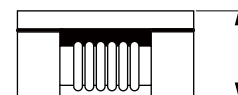
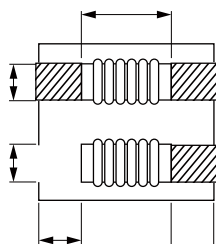
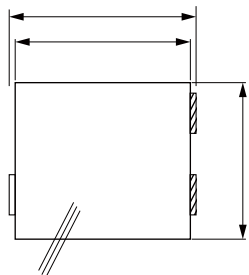
FEATURES

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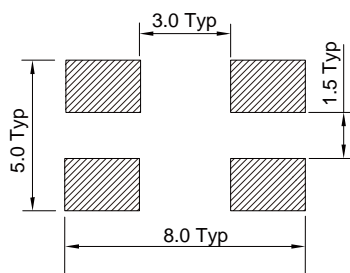
APPLICATIONS

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Dimensions: [mm]



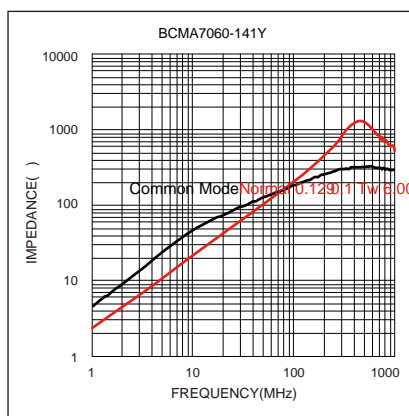
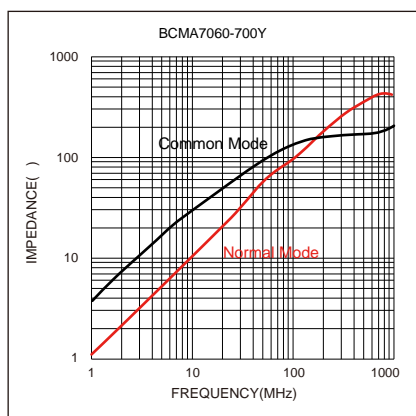
Land Pattern: [mm]



Electrical Properties:

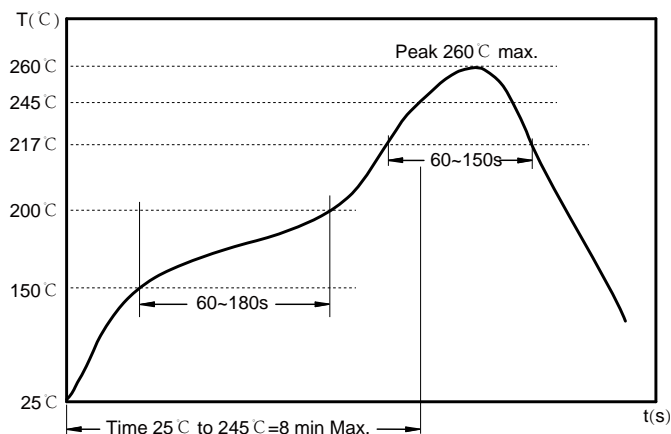
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Typical Electrical Characteristics:



Normal Mode
 $Z_{in} = 0.129 \angle -11.7^\circ \Omega$
 $Z_{out} = 170.5635 \angle 77.0539^\circ \Omega$
 $T_{11} = 8.0017 \angle 0.5635^\circ$
 $T_{22} = 7.165 \angle 93.3^\circ$

Soldering Reflow:



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

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

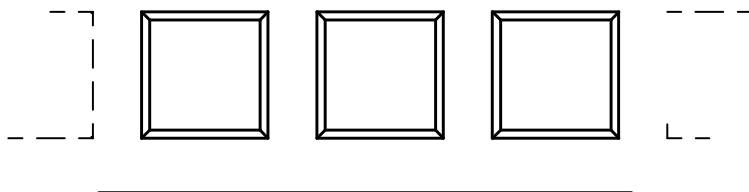
Max temperature: 260 °C.

Max time at max temperature: 10 sec.

Allowed Reflow time: 3x max.

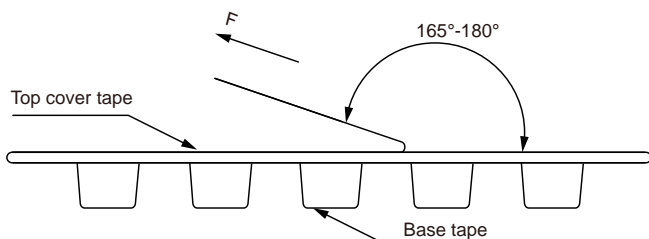
Packaging Information:

Tape Dimension:



| Series | A0 (mm) | B0 (mm) | D (mm) | P0 (mm) | P1 (mm) | W (mm) | K0 (mm) | E (mm) | T (mm) |
|----------|----------|---------|---------|---------|----------|----------|---------|----------|-----------|
| BCMA7060 | 6.25±0.1 | 7.7±0.1 | 1.5±0.1 | 4.0±0.1 | 12.0±0.1 | 16.0±0.3 | 3.6±0.1 | 1.75±0.1 | 0.40±0.05 |

Peel force of top cover tape:

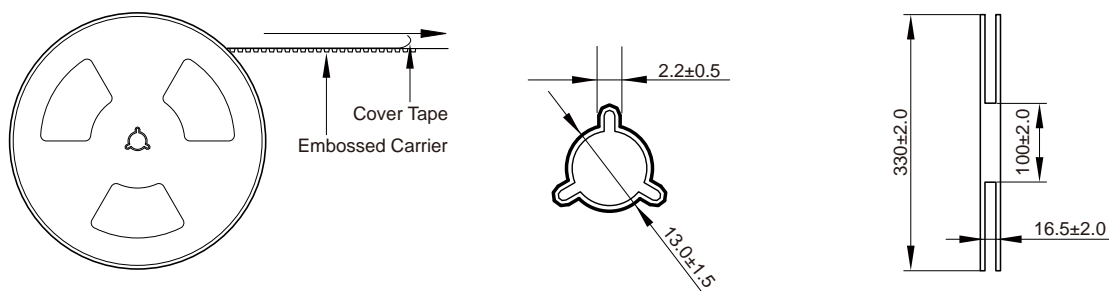


The peel force of top cover tape shall be between 0.10 to 1.17 N

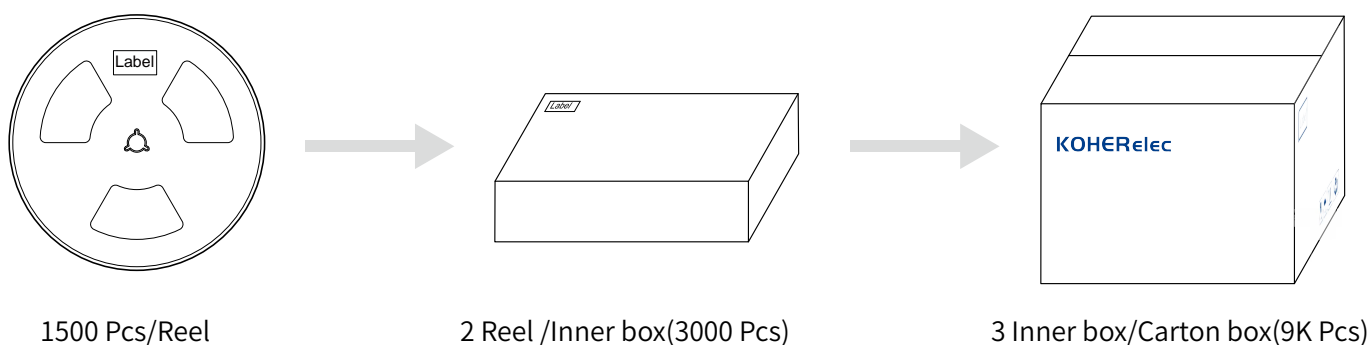
Product Marking:

| | |
|---------|----------------------|
| Marking | Printing (Impedance) |
|---------|----------------------|

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.