

# BCMA Series

## Common Mode Filters For Automotive Signal Line

### Size 3216



#### FEATURES

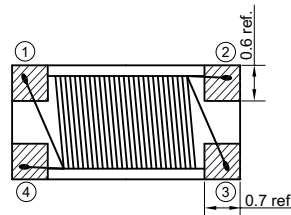
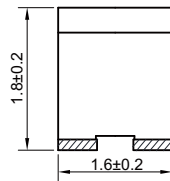
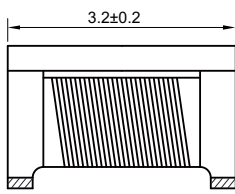
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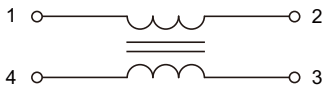
#### APPLICATION

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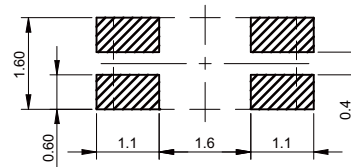
#### Dimensions: [mm]



#### Schematic:



#### Land Pattern: [mm]

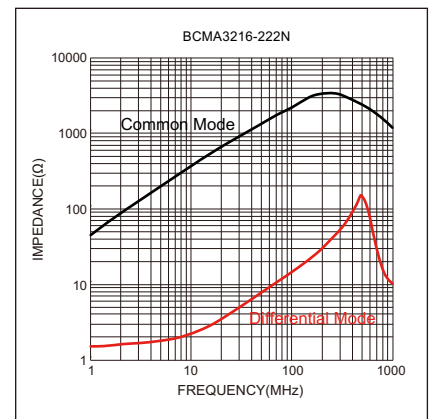
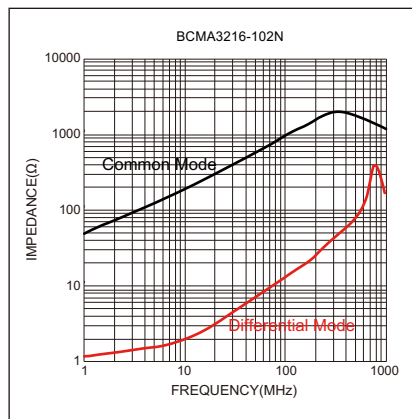
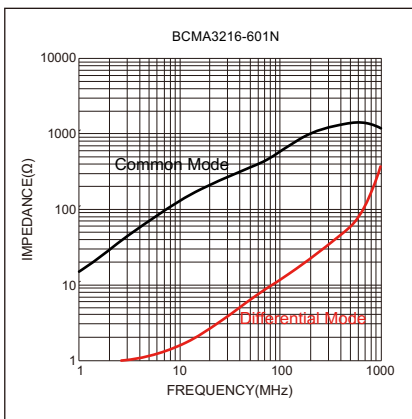
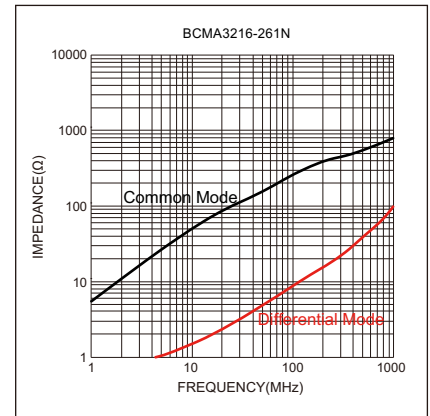
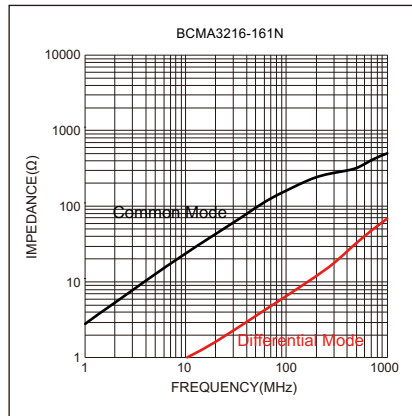
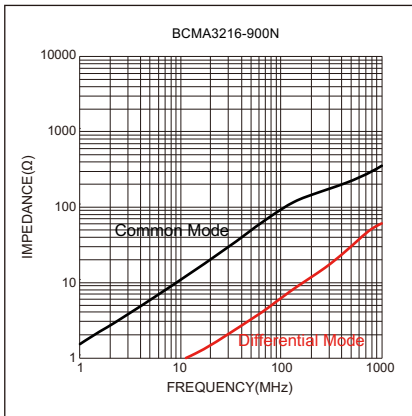


#### Electrical Properties:

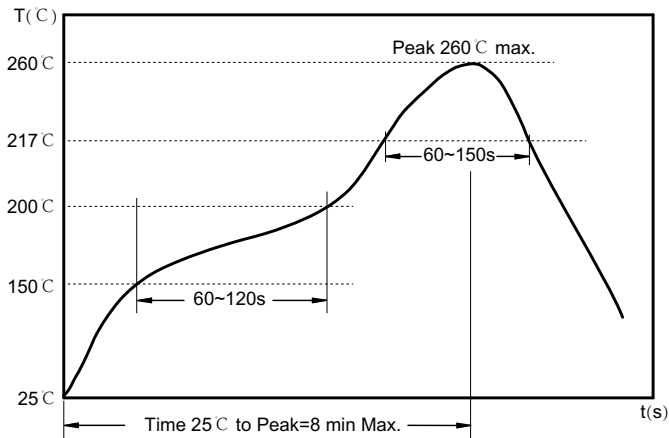
Part No	Impedance @ 100 MHz	Tolerance	Temperature Rise Current Max.	DC Resistance Max.	Rated Voltage

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

# Typical Electrical Characteristics:



## Soldering Reflow:



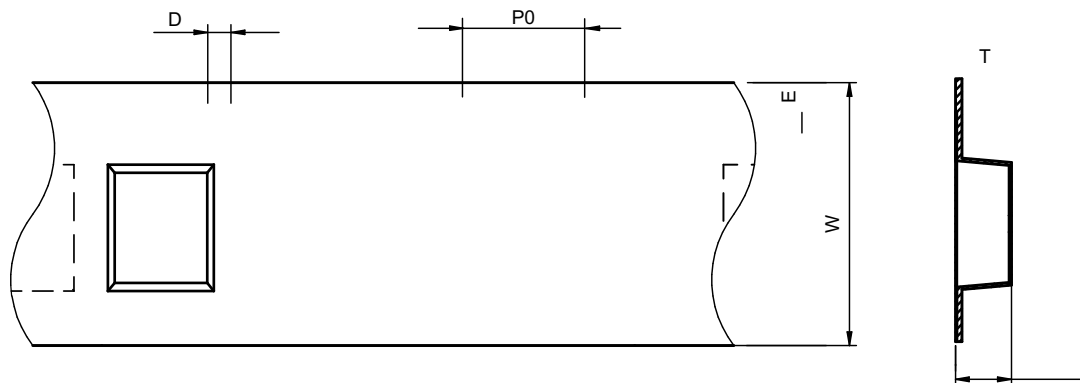
Preheat condition: 150 ~200°C / 60~120 sec.

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

Max temperature: 260°C .

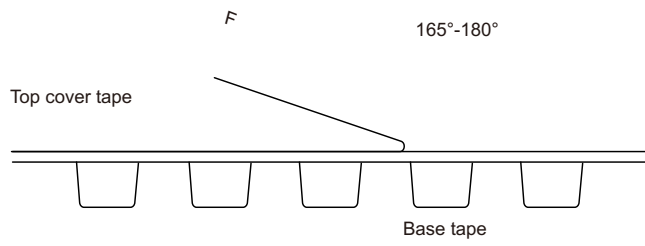
## Packaging Information:

### Tape Dimension :

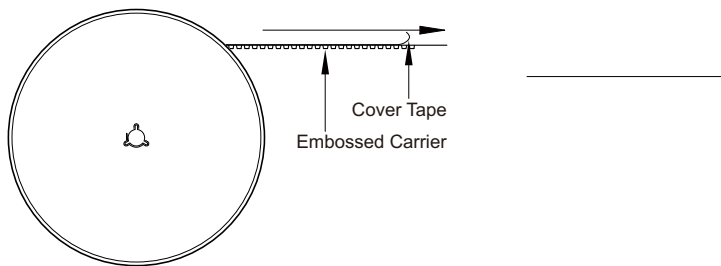


Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
BCMA3216	1.88 typ.	3.50 typ.	1.5±0.1	4.0±0.1	4.0±0.1	8.0±0.3	2.1 typ.	1.75±0.1	0.20±0.1

Peel force of top cover tape:



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
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