

# BCMA Series

## Common Mode Filters For Automotive Signal Line Size 3225

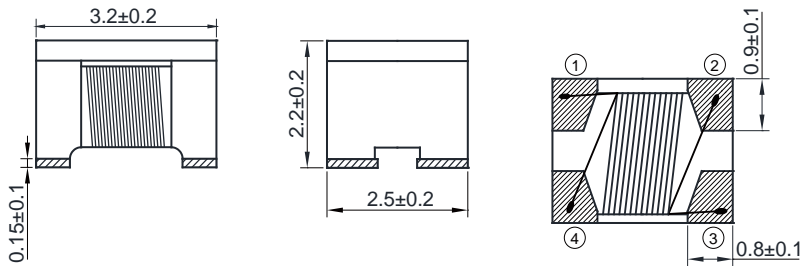
### FEATURES

- High performance common mode filter
- # 1000V
- \ 1000V
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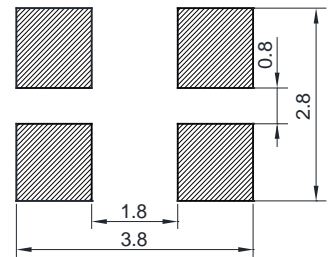
### APPLICATION

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### Dimensions: [mm]



### Land Pattern: [mm]



### Schematic:

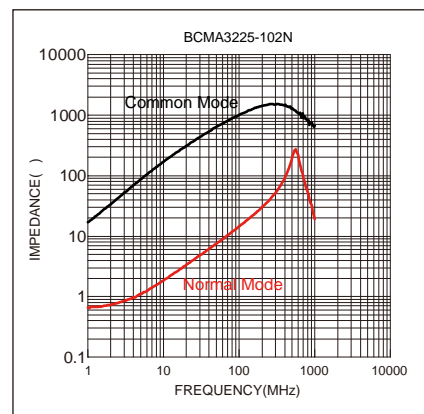
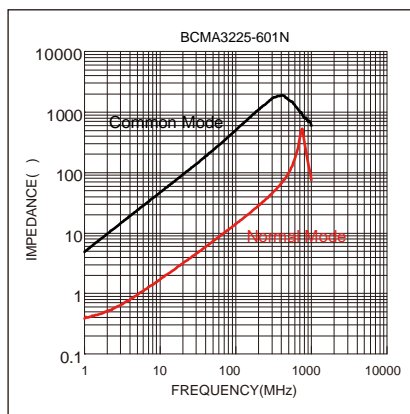
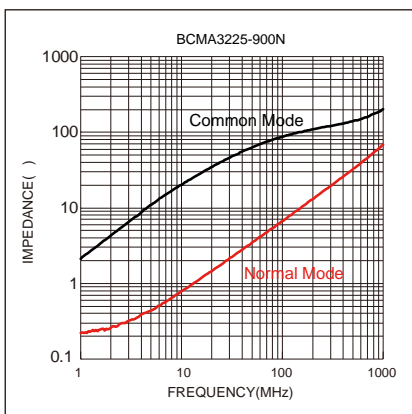


### Electrical Properties:

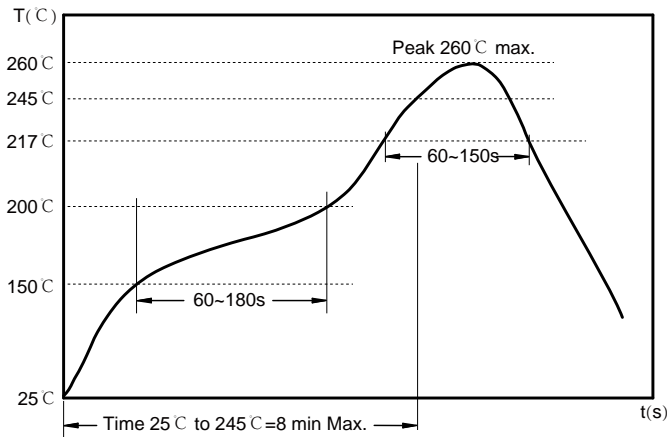
Part No	Z @ 100 MHz	$I_R$ Max.	$R_{DC}$ Max.	$V_{DC}$ Max. (V)	IR Min.
" #U °	V				U
" #U °	V				U
" #U °	V				U

M

### 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.

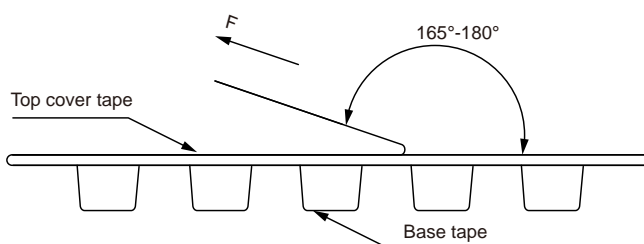
## Packaging Information:

Tape Dimension :



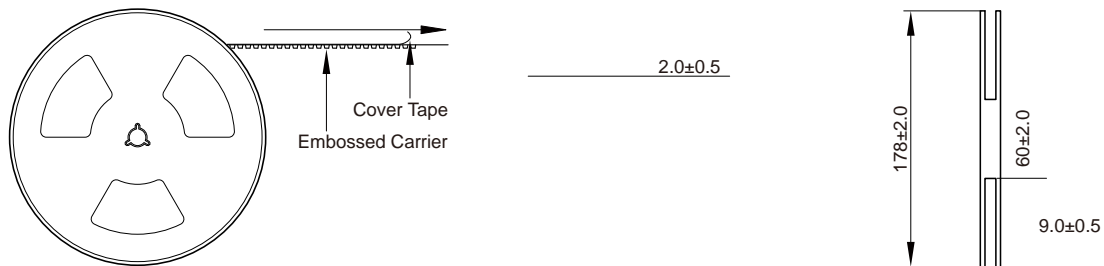
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
BCMA3225	2.88±0.1	3.72±0.1	1.5±0.1	4.0±0.1	4.0±0.1	8.0±0.3	2.50±0.1	1.75±0.1	0.23±0.05

Peel force of top cover tape:



The peel force of top cover tape shall be between 0.14 to 0.78 N

## Reel Dimension: [mm]



## 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  $35^{\circ}\text{C}$ , 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  $150^{\circ}\text{C}$ .
- 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, Kohler might not be familiar with either customer's specific application or actual requests as customer