

## ACMA Series

### Common Mode Filters For Automotive Signal Line Size 3225



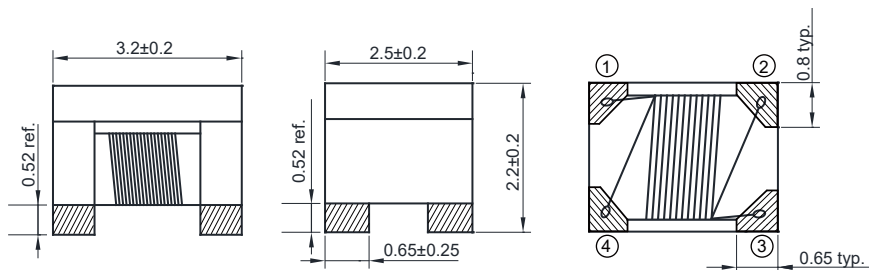
#### FEATURES

- Compact products, whose characteristics are equivalent to that of conventional products
- Common mode filters for Signal Line
- Operating temperature range: -55 to +150 °C
- AEC-Q200 qualified
- Quantity: 1000pcs

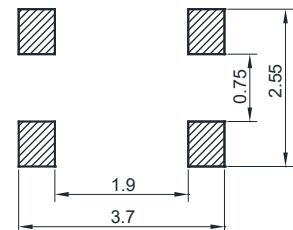
#### APPLICATION

- CAN-BUS, FlexRay system

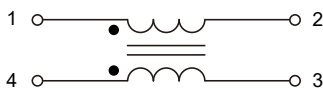
#### Dimensions: [mm]



#### Land Pattern: [mm]



#### Schematic:

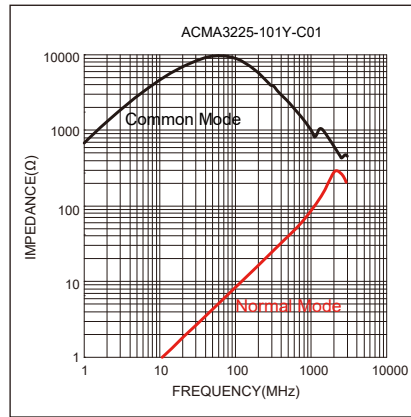
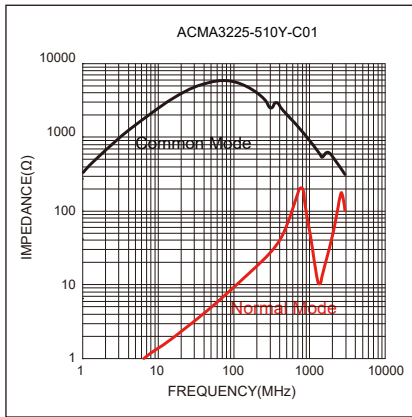


#### Electrical Properties:

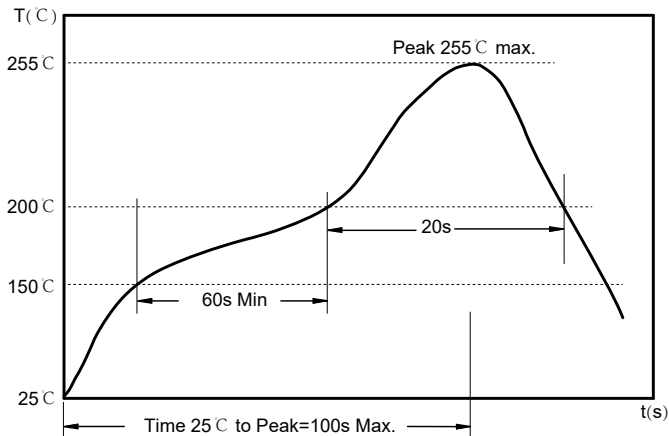
Part No	Z@10MHz Min (Ω)	Z@10MHz Typ (Ω)	L @ 100kHz/0.1V (μH)	Tol.	I <sub>R</sub> Max. (mA)	R <sub>DC</sub> Max. (Ω)	V <sub>DC</sub> Max. (Volts)	IR Min (MΩ)
ACMA3225-510Y-C01	1000	2600	51	+50/-30%	200	0.7	80	10
ACMA3225-101Y-C01	2200	5100	100	+50/-30%	150	1.5	80	10

I<sub>R</sub> referring to 40K self-heating above ambient temperature.

## Typical Electrical Characteristics:



## Soldering Reflow:



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

Allowed time above 200°C: 20 sec.

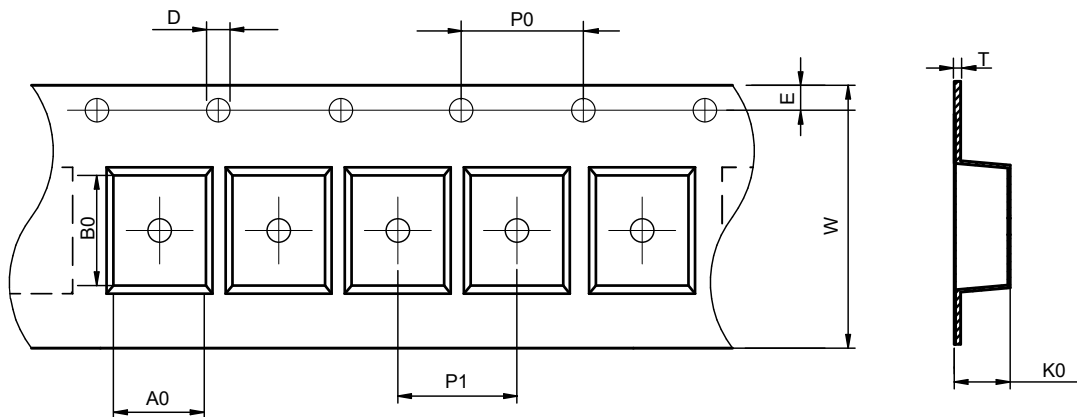
Max temperature: 255°C.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

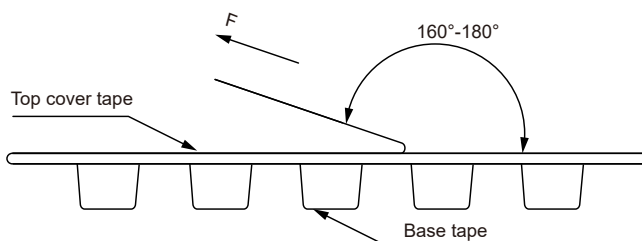
## Packaging Information:

### Tape Dimension:



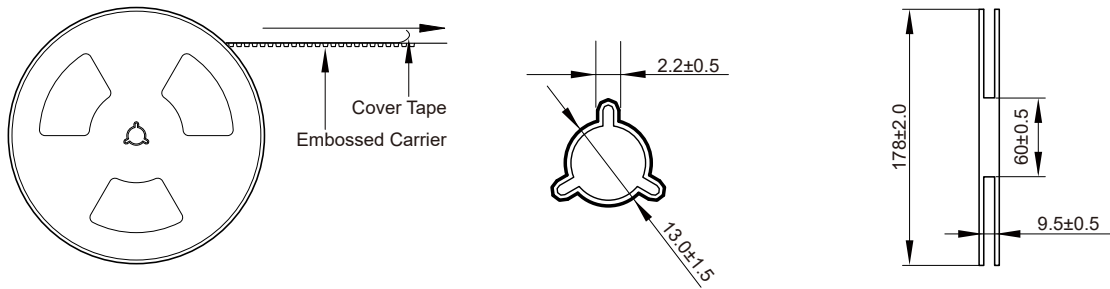
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
ACMA3225-C01	2.88±0.1	3.65±0.1	1.5±0.1	4.0±0.1	4.0±0.1	8.0±0.1	2.5±0.1	1.75±0.1	0.25±0.05

### Peel force of top cover tape:

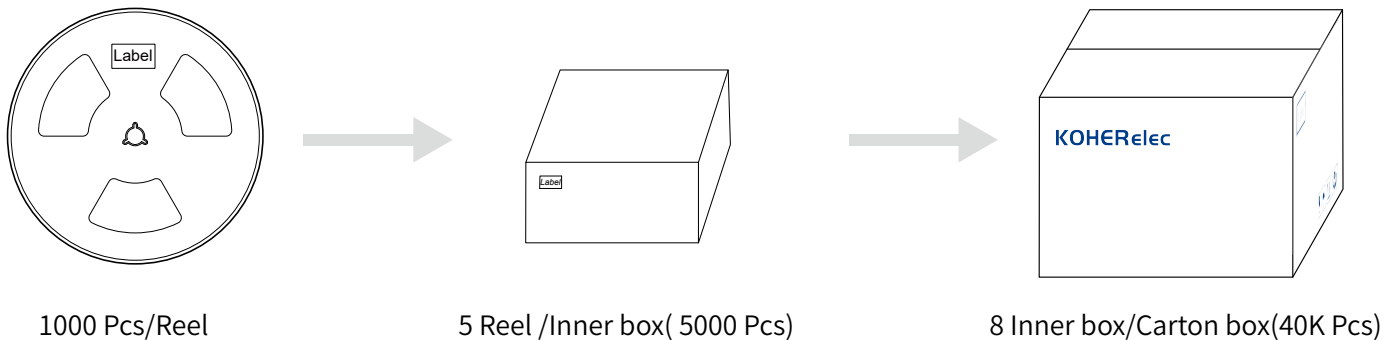


The peel force of top cover tape shall be between 0.05 to 0.69 N

## 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.
- 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.