

ACMA Series

Common Mode Filters For Automotive Signal Line

Size 3225



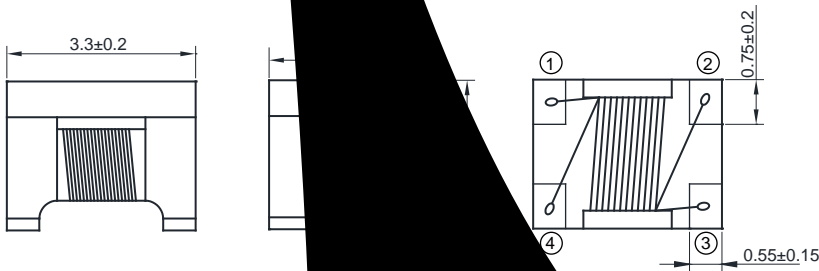
FEATURES

- 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: 2000pcs

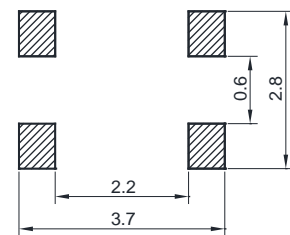
APPLICATION

- CAN-BUS, FlexRay system

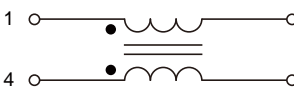
Dimensions: [mm]



Land Pattern: [mm]



Schematic:

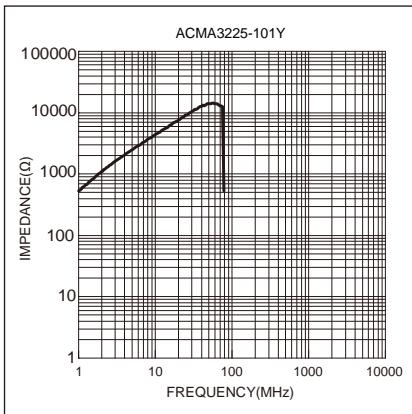
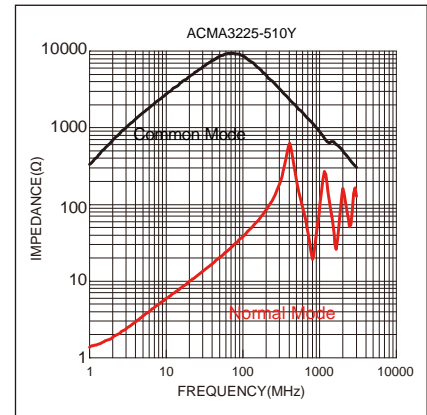
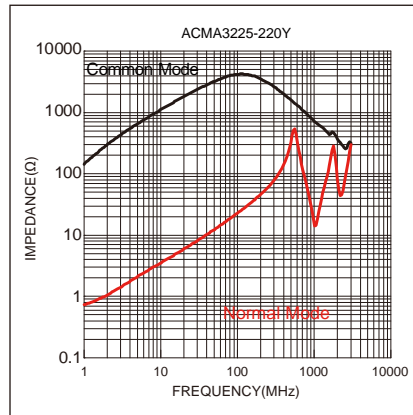
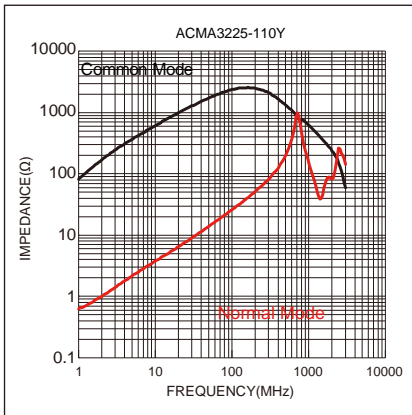


Electrical Properties:

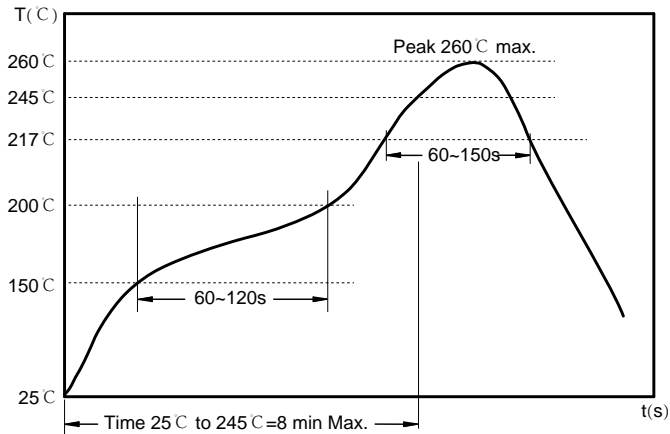
Part No	Z @ 10 MHz	
	Min. ()	Typ. ()
ACMA3225-110Y	300	
ACMA3225-220Y	500	
ACMA3225-510Y	1000	
ACMA3225-101Y	2200	

I_k refers to 20K self-heating above ambient temperature

Typical Electrical Characteristics:



Soldering Reflow:



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

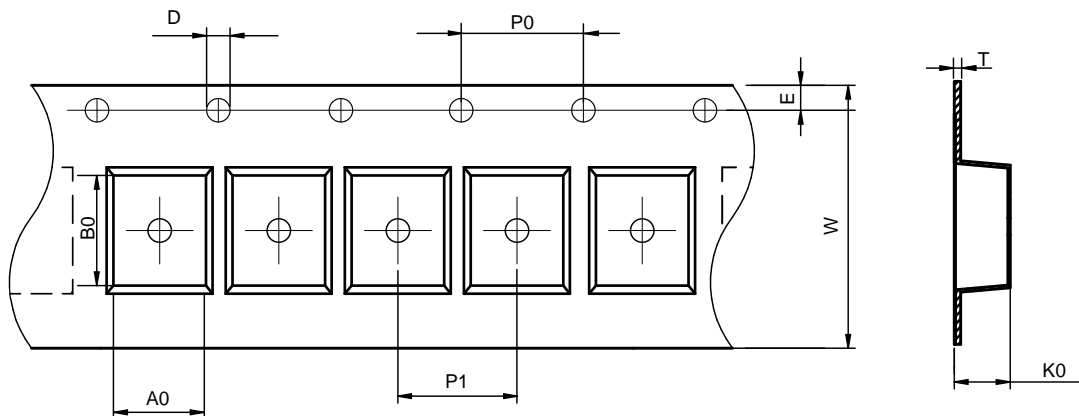
Allowed time above 217 °C : 60~150 sec.

Max temperature: 260 °C.

Allowed Reflow time: 3x max.

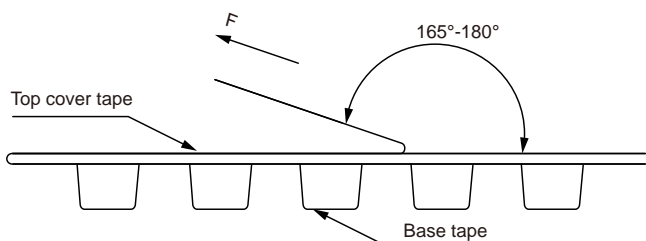
Packaging Information:

Tape Dimension:



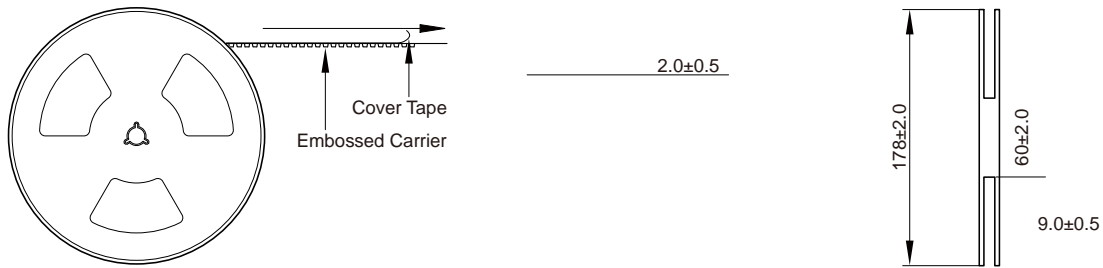
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
ACMA3225	2.88±0.1	3.72±0.1	1.5±0.1	4.0±0.1	4.0±0.1	8.0±0.3	2.5±0.1	1.75±0.1	0.26±0.05

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°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