ACMA ETH Series

Common Mode Filters For Automotive Signal Line
Size 3225

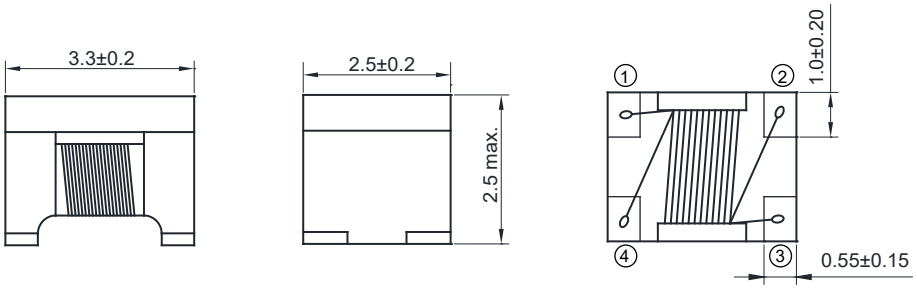
FEATURES

- Common mode filters for automotive Ethernet 10BASE-T1S.
- This product achieves high S-parameter while using a proprietary method.
- AEC-Q200 qualified.
- Operating temperature : –40 to +125°C
- Quantity: 2000pcs.

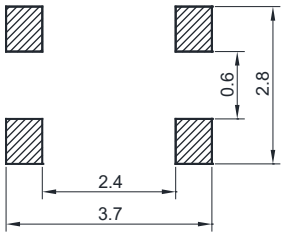
APPLICATION

- CAN-FD.
- Ethernet system.

Dimensions: [mm]



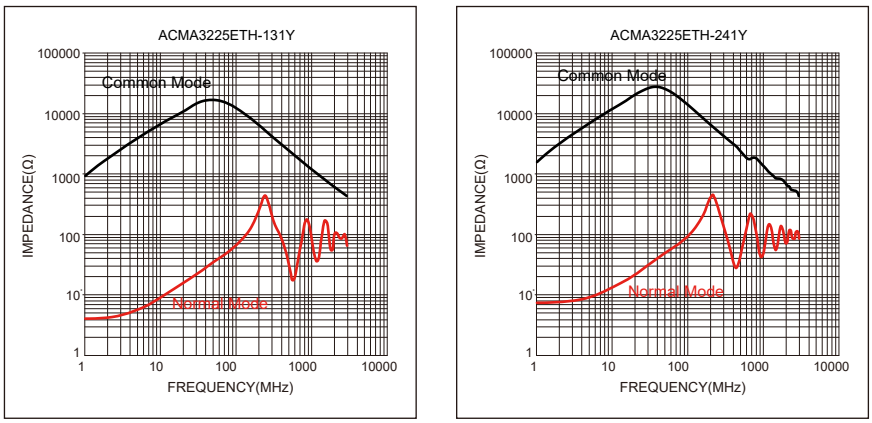
Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @100KHz/0.1V (µH)	Tolerance	Rated Current Max. (mA)	DC Resistance Max. (Ω)	Rated Voltage Max. (V)	IR Min. (MΩ)
ACMA3225ETH-131Y	130	+30/-10%	115	3.5	80	10
ACMA3225ETH-241Y	240	+50/-20%	70	4.1	80	10

Typical Electrical Characteristics:



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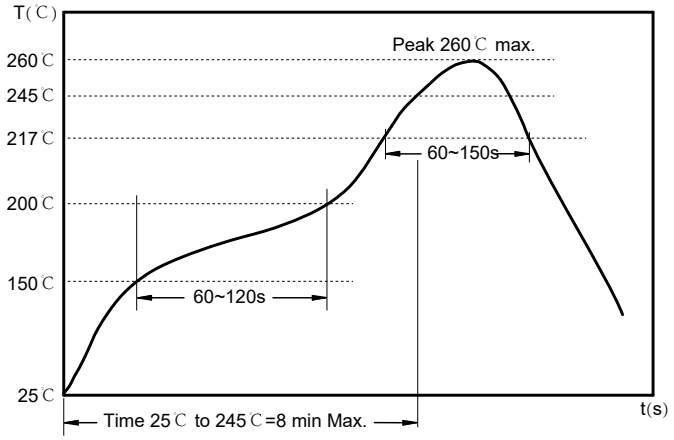
714-325-4789 Contact@kohergroup.com

Soldering Reflow:



Preheat condition: 150 ~200℃/ 60~120 sec.

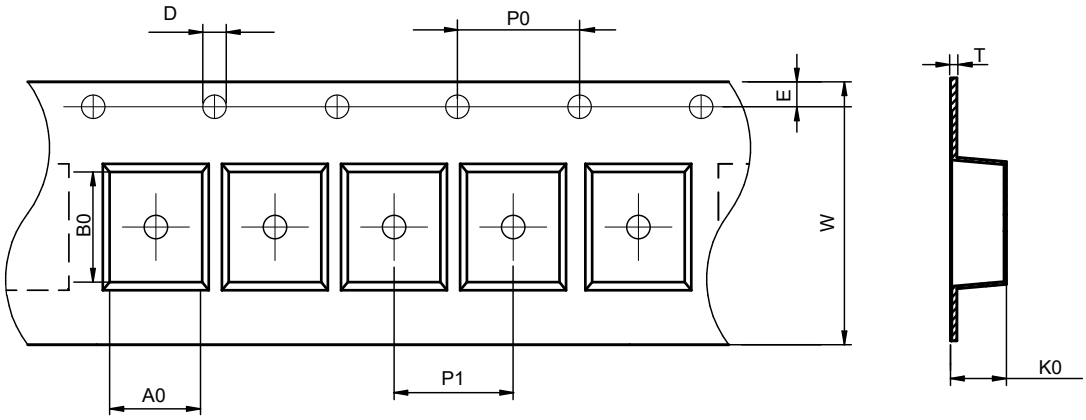
Allowed time above 217℃: 60~150 sec.

Max temperature: 260℃.

Allowed Reflow time: 3x max.

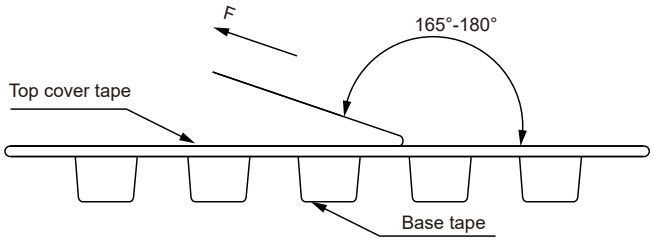
Packaging Information:

Tape Dimension:



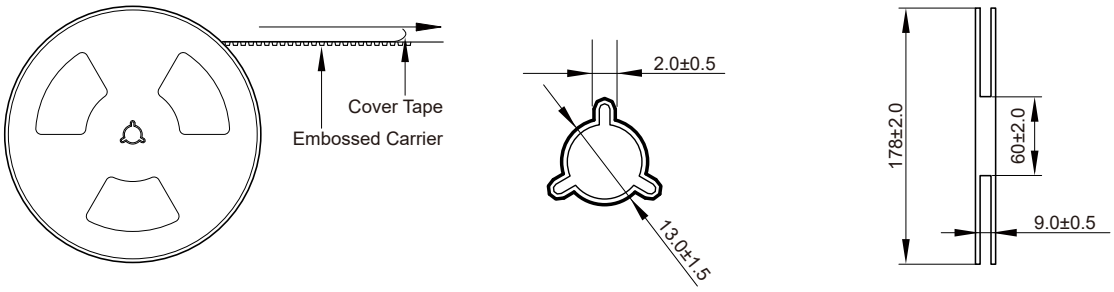
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
ACMA3225ETH	2.88±0.1	3.72±0.1	1.5±0.1	4.0±0.1	4.0±0.1	8.0±0.3	2.5±0.1	1.75±0.1	0.26±0.05

Peel force of top cover tape:

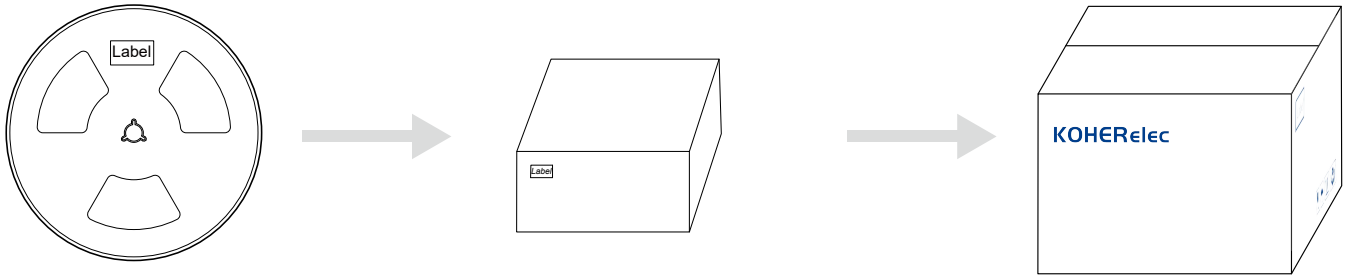


The peel force of top cover tape shall be between 0.14 to 0.78 N

Reel Dimension：[mm]



Packaging Quantity:



2000 Pcs/Reel

5 Reel /Inner box(10K Pcs)

8 Inner box/Carton box(80K Pcs)

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.