

DMMA Series

Molded Inductor

Size 1094

FEATURES

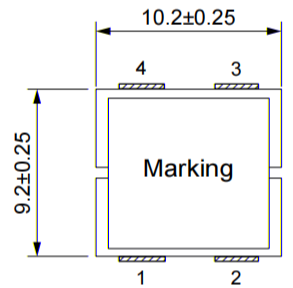
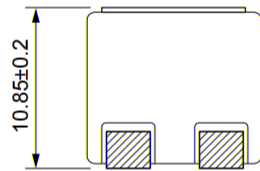
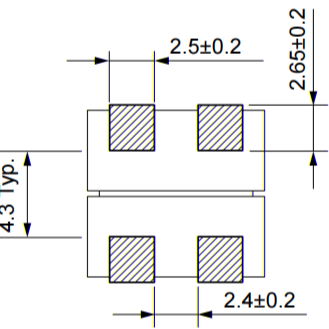
- Low loss realized with low DCR
- High performance realized by metal dust core
- Ultra low buzz noise due to composite construction
- 100% Lead free and RoHS compliant
- AEC-Q200 qualified
- Operating temperature: -55 to +125 °C (including self-temperature rise)

Quantity: 3000PCS

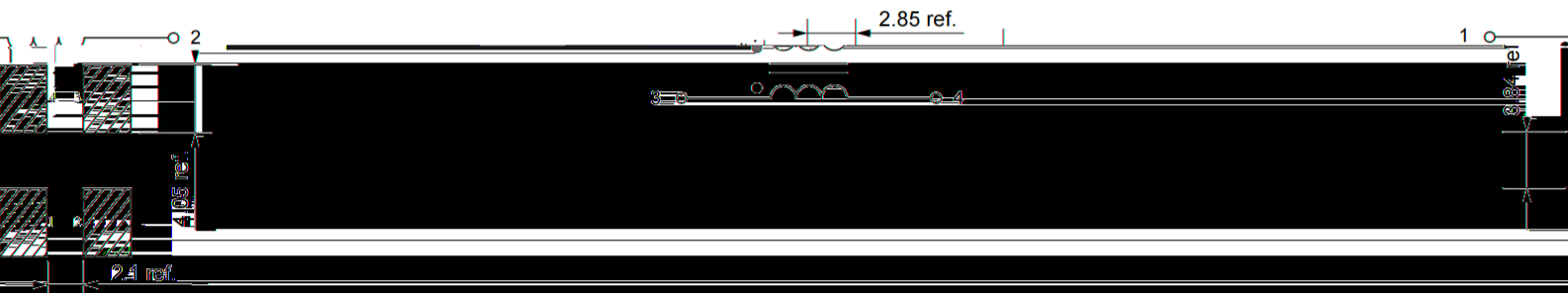
APPLICATION

- Automotive applications

Dimensions: [mm]



Lead Distance and Pattern: [mm] Schematic

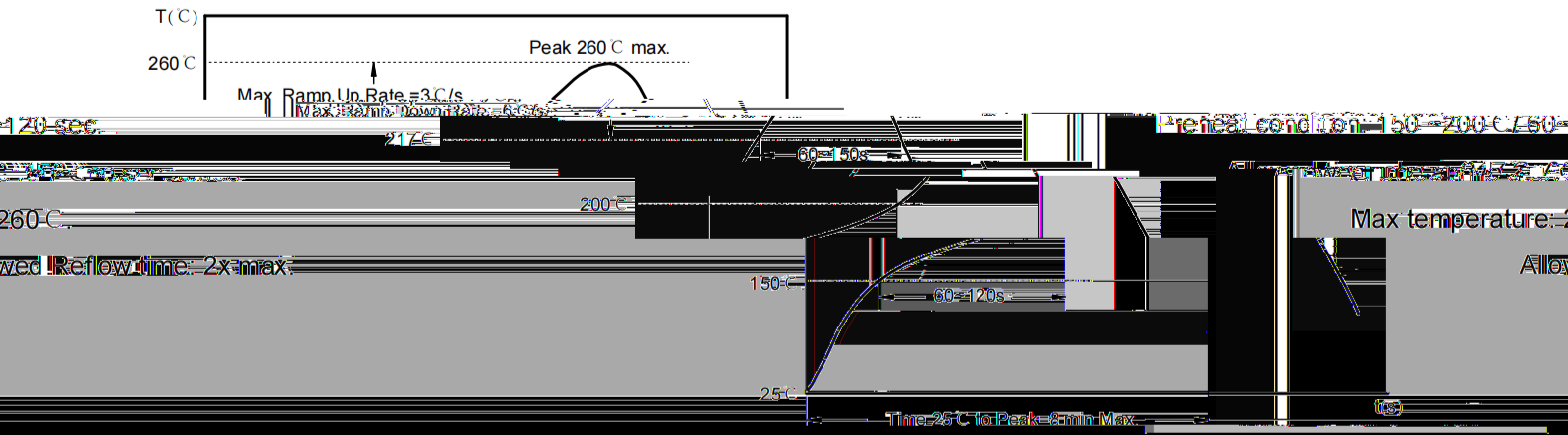


Electrical Properties:

Part Number	Inductance (mH)	DCR (mΩ)	Inductance (mH)	DCR (mΩ)	Temperature (°C)	Temperature (°C)	Saturation Current (A)
DMMA1094-100M	10.0	+20%	5.8	5.2	12.0	10.0	22.0
DMMA1094-150M	15.0	+20%	8.5	7.3	15.0	10.0	15.0
DMMA1094-220M	22.0	+20%	3.6	3.2	8.5	7.3	56.0

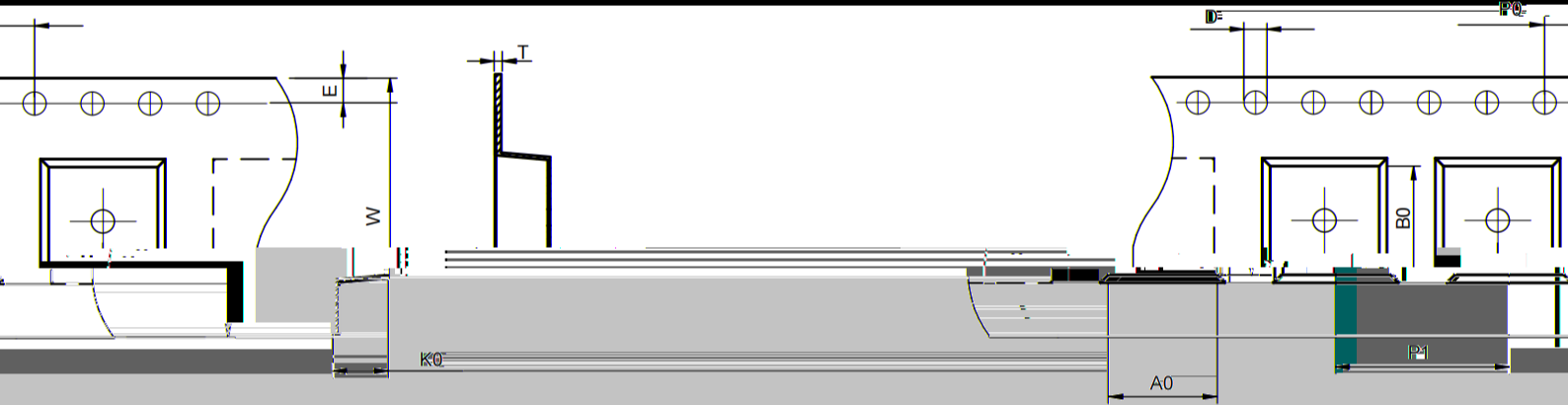
approximately 30% Saturation Current will cause L to drop

Soldering Reflow:



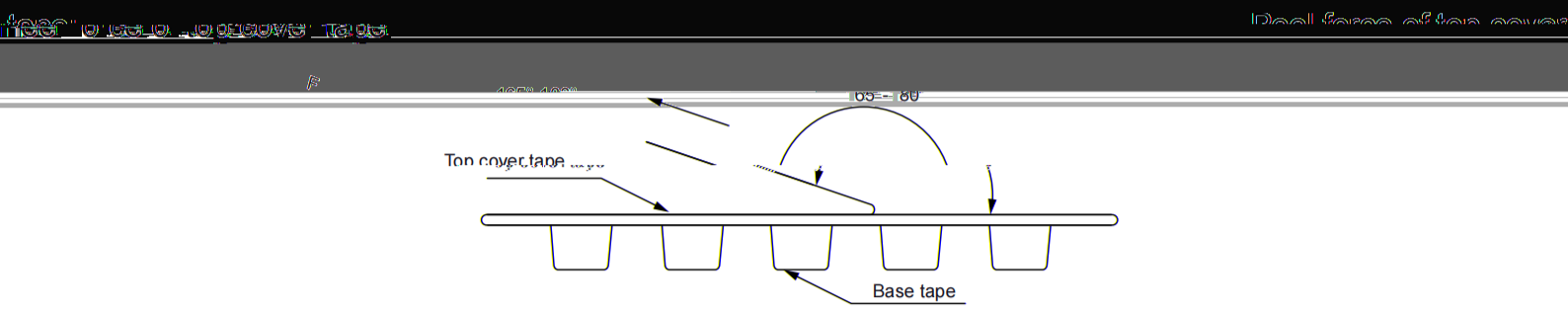
Packaging Information:

Tape Dimension:



P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
1.55 ± 0.10	4.0 ± 0.12	1.6 ± 0.17	2.4 ± 0.35	1.0 ± 0.11

Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)
175 ± 0.20	0.5 ± 0.05	1.0 ± 0.10	1.0 ± 0.10	1.0 ± 0.10

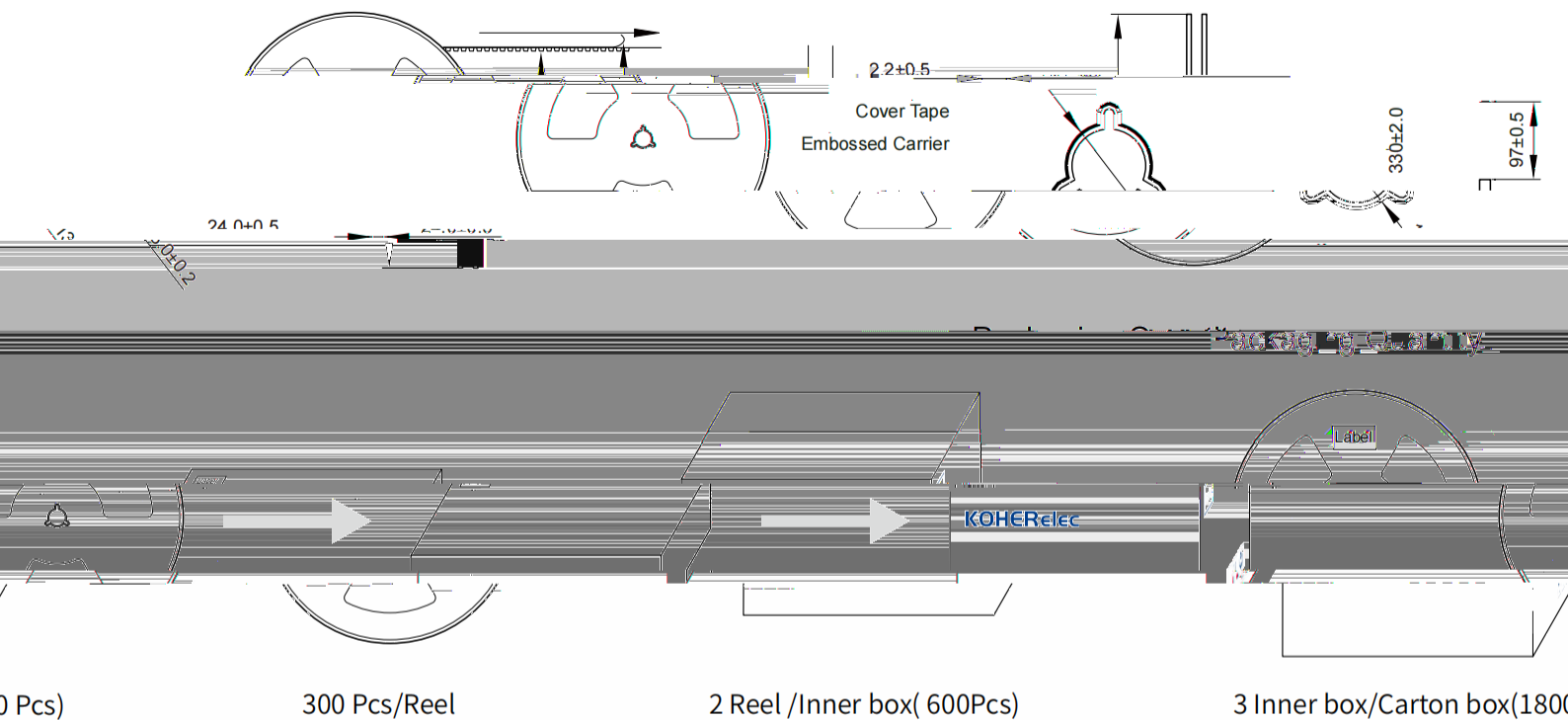


The pull force of ton cover tape shall be between 0.1 to 1.2 N.

Product Marking:

Marking	Printing (Inductance)
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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 25°C, humidity: 75% RH Max). If the storage period exceeds, 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 perspiration and skin oils.
- Products should be handled with care to avoid damage or contamination from cleaning down or fingerprints.
- Place always handle and store product properly to prevent any damage caused by dropping.

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 applying, be sure to protect the chip temperature. The average chip temperature should be lower than the maximum temperature. 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 specification meets the requirements of the customer's application or not.