

DMMA-Series

Molded Inductor

Size 1094

FEATURES

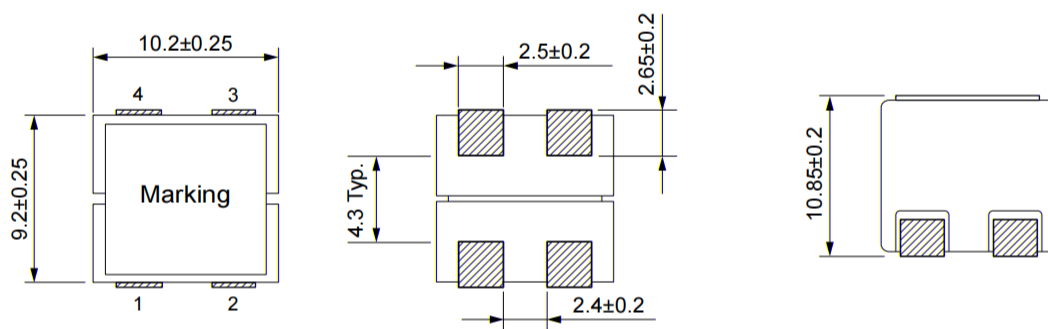
■ Low ESR
 ■ High performance realized by metal-dust core.
 ■ Low buzz noise due to composite construction.
 ■ 100% RoHS compliant.
 ■ AEC-Q200 qualified.

■ Operating temperature: -55 to +125 °C (including self-temperature rise)

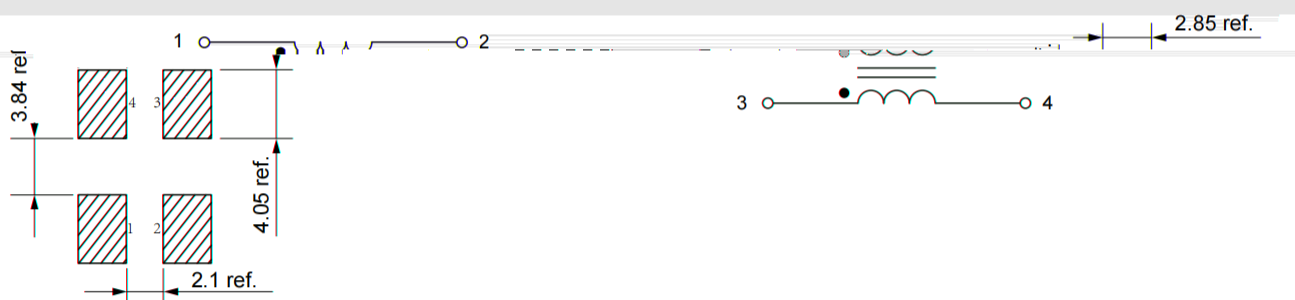
APPLICATION

- Automotive applications

Dimensions: [mm]



SCHEMATIC



Electrical Properties:

Temperature	Saturation	Saturation	DC	Inductance	Inductance	Inductance	Temperature
Rise Current	Resistance	Resistance	Resistance	Typ.	Max.	Typ.	Max.
(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)
DMMA1094-100M	10.0	±20%	5.8	5.2	12.0	10.0	22.0
DMMA1094-220M	3.6	±20%	3.2	8.5	7.3	56.0	15.0

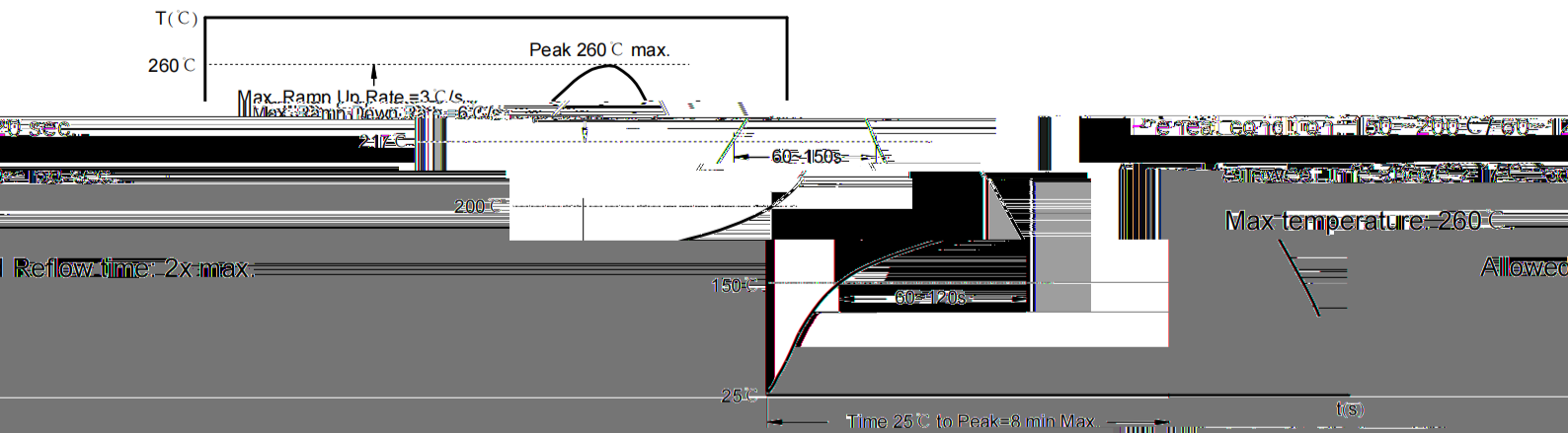
to drop approximately 30%.

Saturation Current will cause L

the value of DC saturation current will be 10.0A

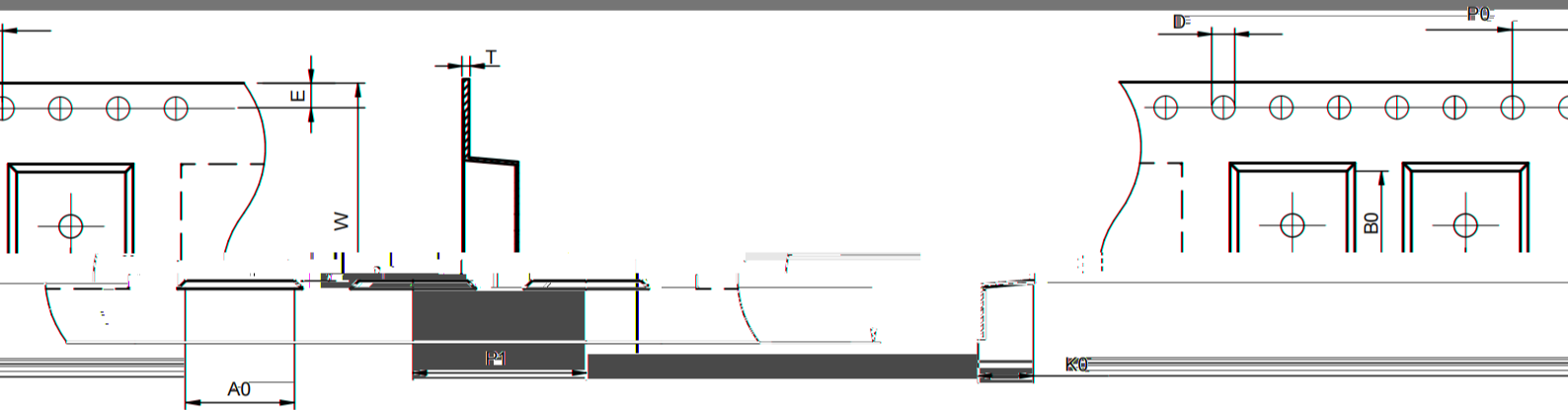
Temperature will cause L

Soldering Reflow:

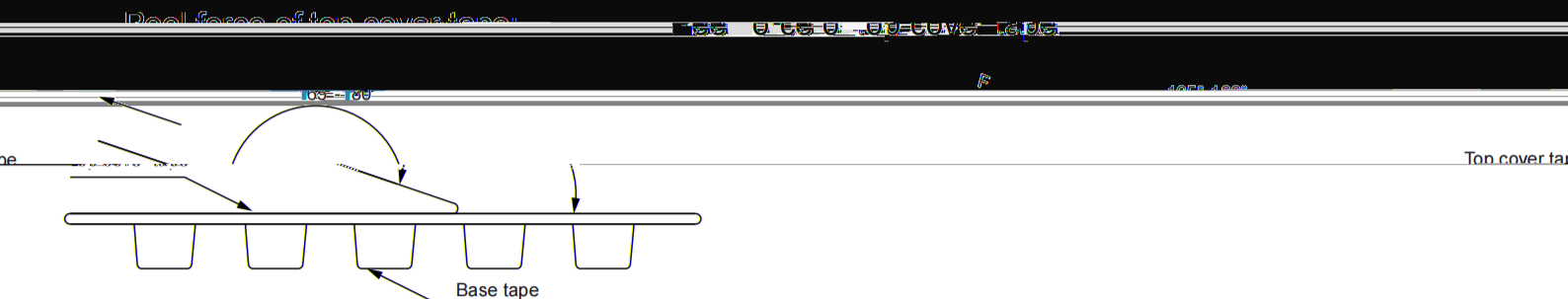


Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)	Se
MA1004	10.6 ^{+0.1} _{-0.1}	10.6 ^{+0.1} _{-0.1}	1.55 ^{+0.1} _{-0.1}	1.35 ^{+0.1} _{-0.1}	1.40 ^{+0.1} _{-0.1}	2.00 ^{+0.1} _{-0.1}	1.25 ^{+0.3} _{-0.3}	1.75 ^{+0.1} _{-0.1}	0.5 ^{+0.05} _{-0.05}	0.5-0.55

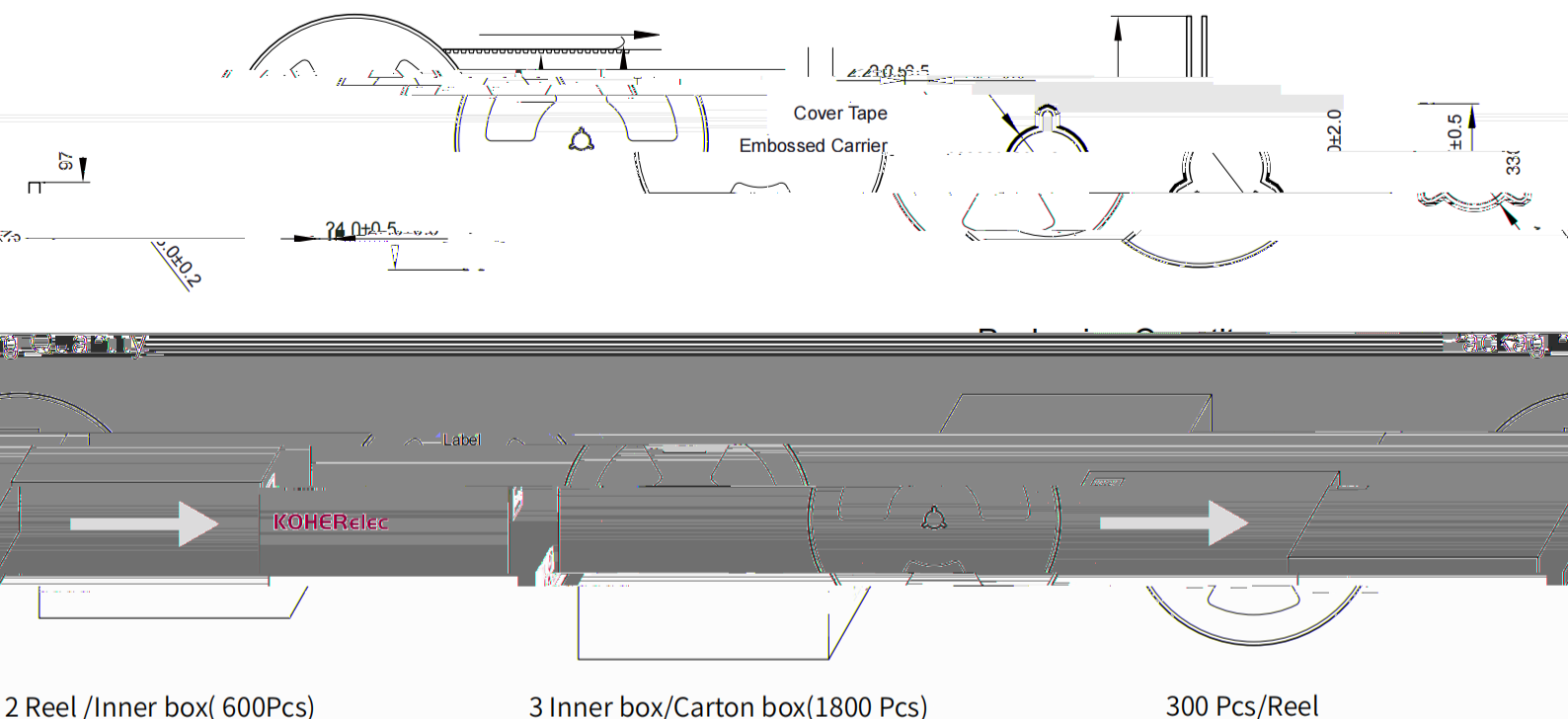


The pull force of top cover tape shall be between 0.1 to 1.2 N.

Product Marking:

Marking	Printing (Inductance)
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Reel Dimension: [mm]



Cautions and Warnings:

Storage Conditions:

months after the completion of production. Be sure to follow the storage conditions: 75% RH, Min. If the storage period elapses, the soldering of the terminal electrodes may deteriorate. The warranty period is one year.

environment with high temperature, high humidity, dust, corrosive gas and care to avoid damage or contamination from perspiration and skin oils. Please handle the product carefully to prevent any damage caused by dressing, cleaning, or inappropriate removing.

- The storage period is within 12 months (temperature: 5 to 25°C, humidity: 75% RH max). If the storage period elapses, the soldering of the terminal electrodes may deteriorate.
- Product should not be exposed to high temperature, high humidity, dust, corrosive gas, 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 dressing, cleaning, 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.

temperatures for the sensor application, be sure to preheat components. The preheating time and temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.

conditions determined in the specification. Soldering corrections after mounting should be within the range of the specification. If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.

either customer's specific application or actual requirements as customer is responsible for checking and confirming whether Koher product with the specification of the application is suitable for the intended application. General: Koher might not be familiar with customer's application. As a result customer shall be responsible for the normal use of the product. Koher is not responsible for the product not.