

MDE Series

Molding Power Inductors

Size 201610



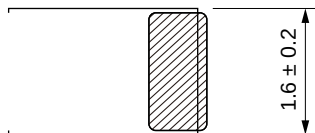
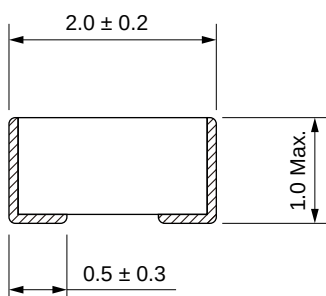
FEATURES

- High saturation current realized by material properties and structure design.
- Low DC resistance to achieve high conversion efficiency and lower temperature rising.
- Low Profile.
- Magnetically shielded structure to accomplish high resolution in EMC protection.
- Halogen free, Lead Free, RoHS Compliance.
- Operating temperature: -40 to +125 °C
- Quantity: 3000PCS

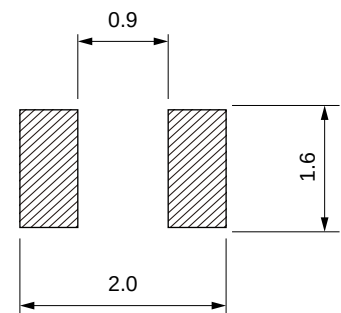
APPLICATION

- Generic in portable DC to DC converter line.
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- DC/DC converter
- Thin-type power supply module.

Dimensions: [mm]



Land Pattern: [mm]

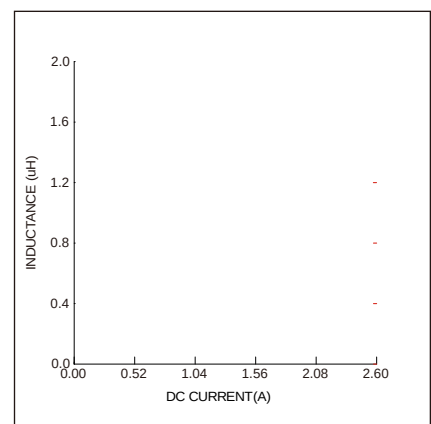
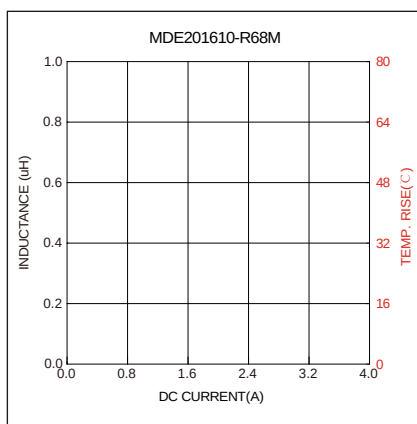
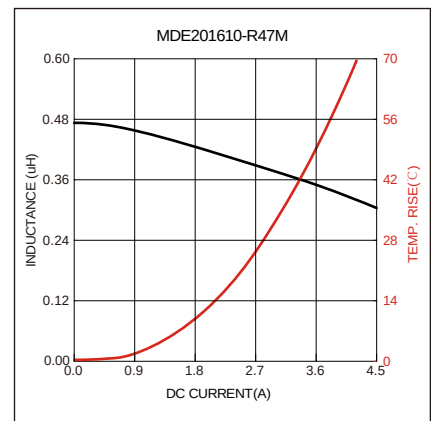
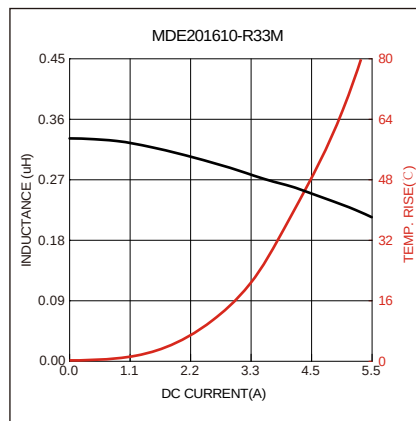
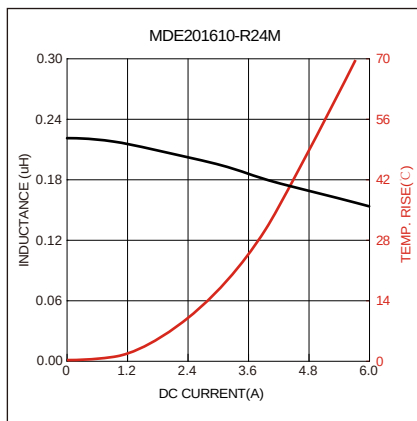


Electrical Properties:

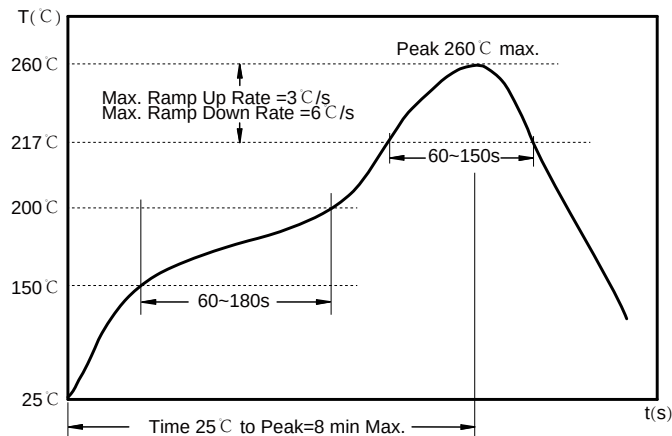
	(μH)		(mΩ)	(mΩ)	Saturation (A)	Saturation (A)	(A)	(A)

Temperature rising current will cause the coil temperature approximate $\Delta T 40^{\circ}\text{C}$
 Saturation current will cause to drop approximately 30 %

Typical Electrical Characteristics:



Soldering Reflow:



Preheat condition: 150 ~200 °C / 60~180 sec.

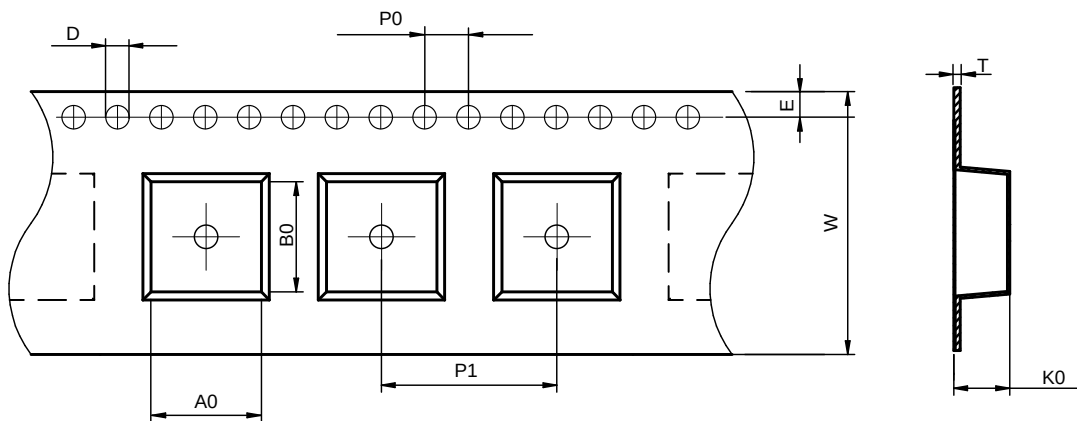
Allowed time above 217 °C: 60~150 sec.

Max temperature: 260 °C.

Time within 5 °C of actual Peak Temperature: 20-40 sec.

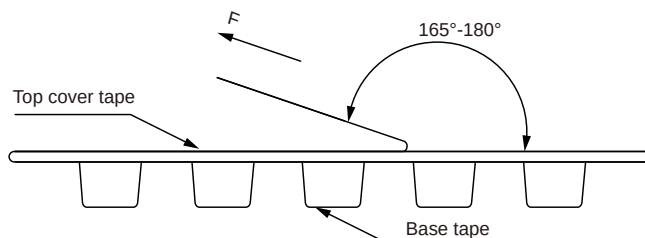
Packaging Information:

Tape Dimension:



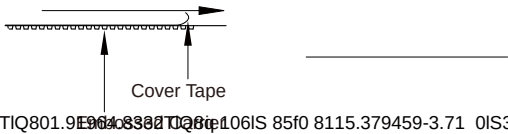
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDE201610	1.82±0.05	2.23±0.05	1.55±0.05	4.0±0.1	4.0±0.1	8.0±0.3	1.15±0.05	1.75±0.1	0.22±0.05

Peel force of top cover tape:



The peel force of top cover tape shall be between 0.1 to 1.3 N

Reel Dimension: [mm]



Packaging Quantity: