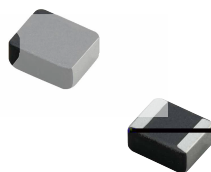


MDE Series

Molding Power Inductors

Size 252012



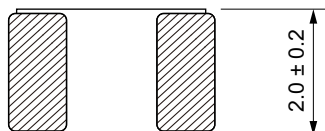
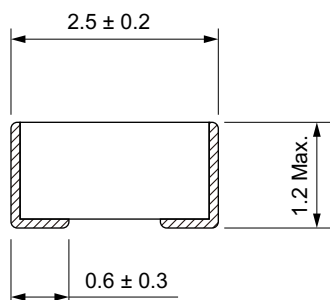
FEATURES

- High saturation current realized by material properties
- Low DC resistance to achieve high conversion efficiency
- Low Profile.
- Magnetically shielded structure to accomplish high resolution in EMC protection.
-
- Operating temperature: -40 to +125 °C
- Quantity: 3000PCS

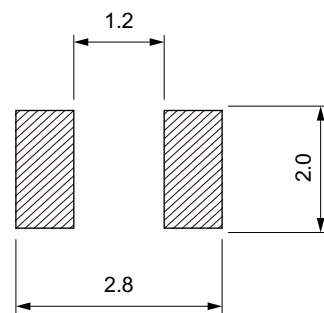
APPLICATION

-
-
-
-

Dimensions: [mm]



Land Pattern: [mm]

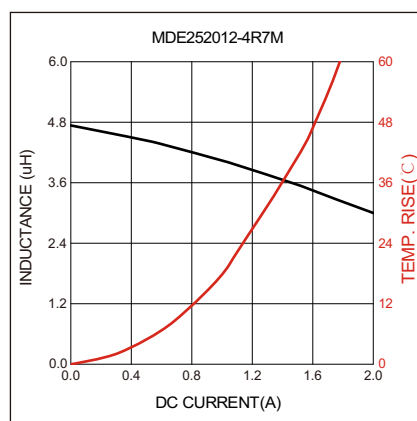
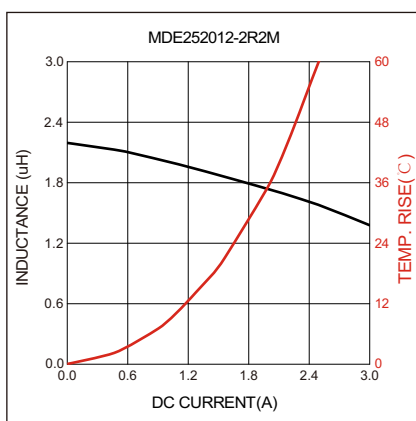
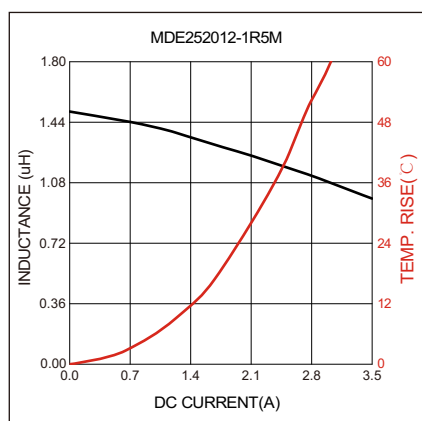
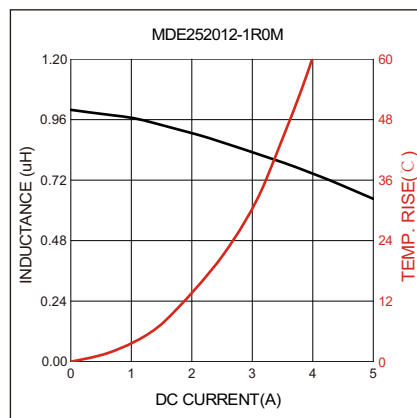
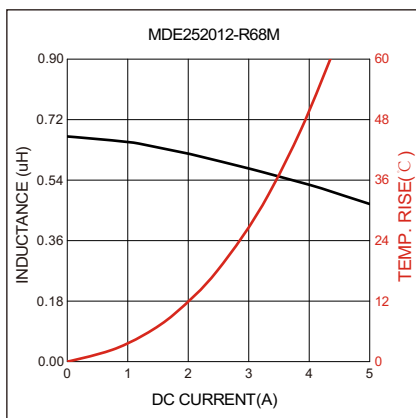
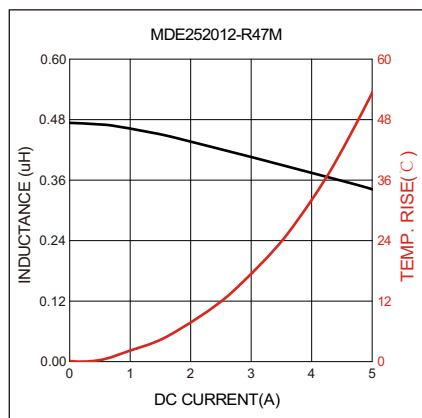


Electrical Properties:

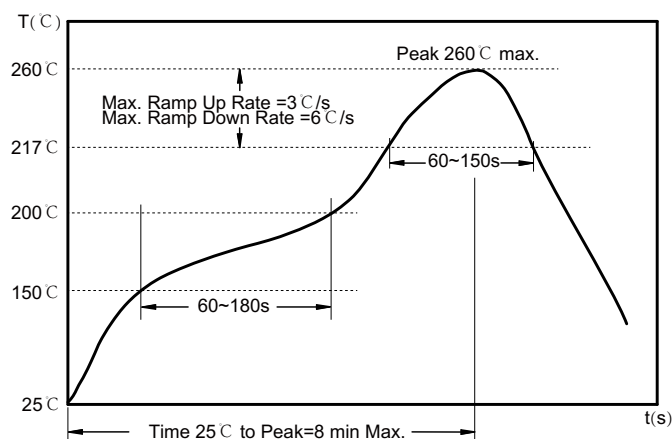
Part No	Inductance @ 1MHz/1V	Tolerance	DC Resistance Typ.	DC Resistance Max.	Current Typ.	Current Max.	Temperature Rise Current Typ.	Temperature Rise Current Max.

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.

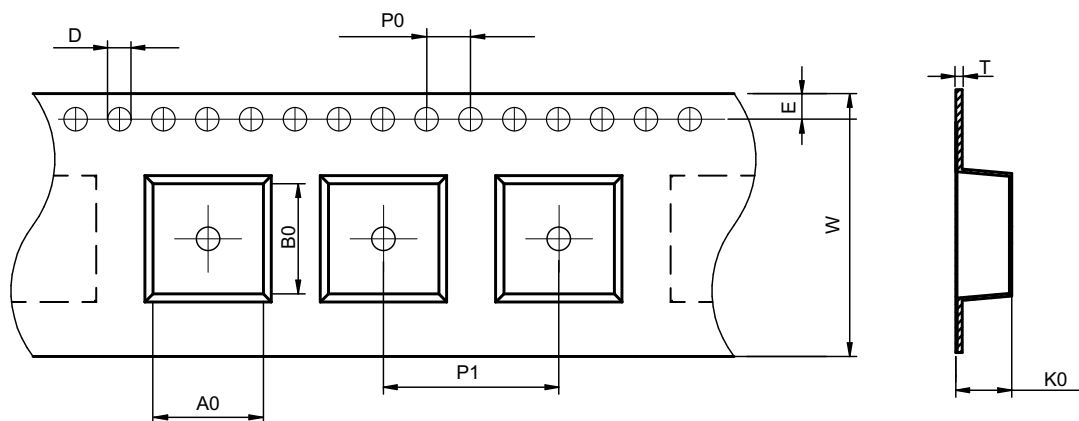
Allowed time above 217 °C : 60~150 sec.

Max temperature: 260 °C .

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

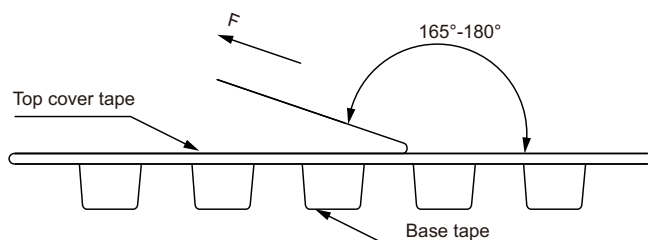
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDE252012	2.25±0.05	2.80±0.1	1.55±0.05	4.0±0.1	4.0±0.1	8.0±0.3	1.35±0.1	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

