

MDE Series

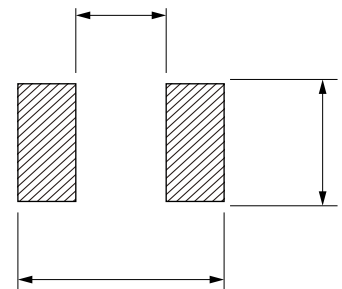
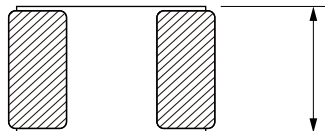
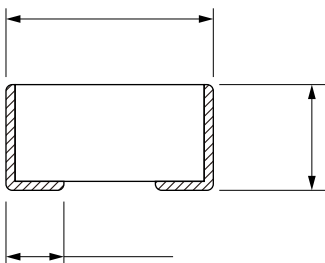


FEATURES

- 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.

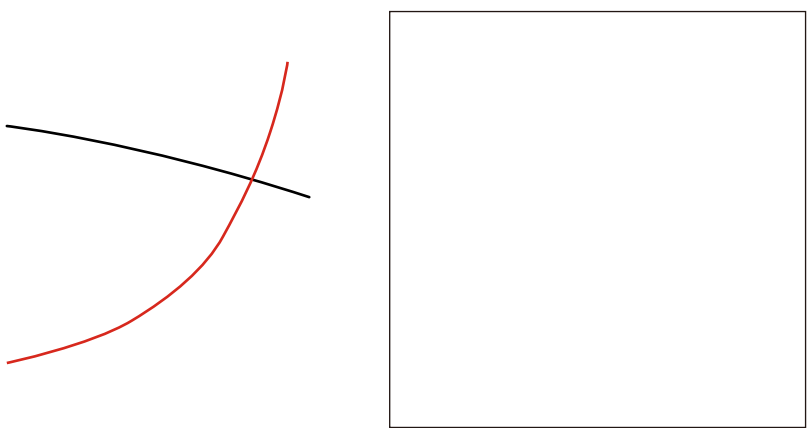
APPLICATION

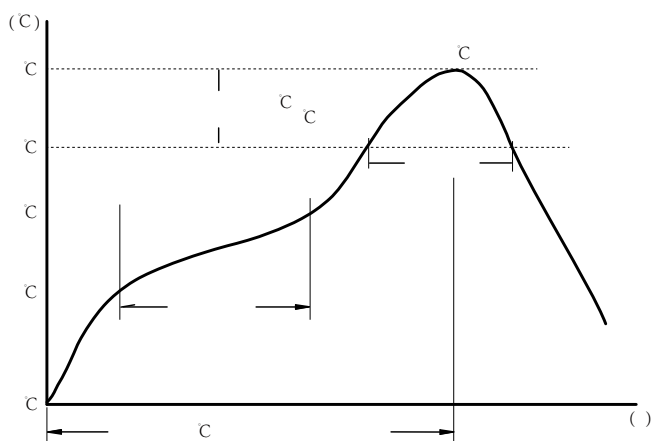
- Generic in portable DC to DC converter line.
- Smart phone, PAD
- DC/DC converter
- Thin-type power supply module.



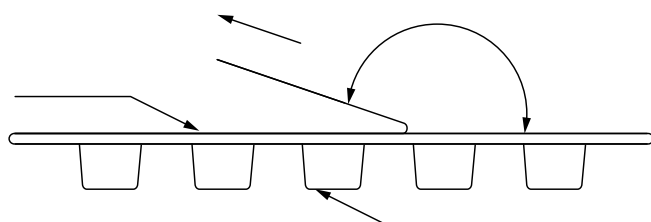
Part No	Inductance @ 1MHz/1V (μ H)	Tolerance	DC Resistance Typ. (m Ω)	DC Resistance Max. (m Ω)	Satura on Current Typ. (A)	Satura on Current Max. (A)	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)
MDE252012S-R47M	0.47				6.8	6.2	5.8	4.9
MDE252012S-1R0M	1.0				4.8	4.3	3.9	3.3
MDE252012S-2R2M	2.2			89	3.5	3.2	2.5	2.2

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

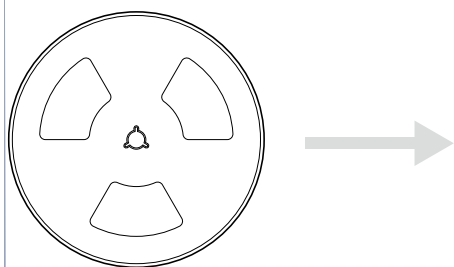
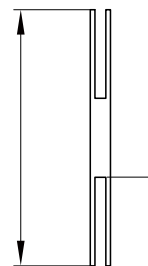
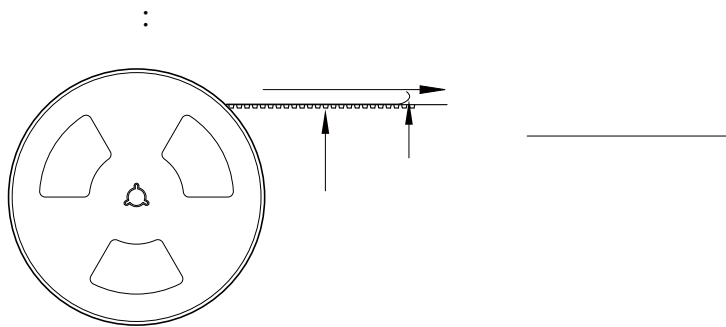




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The peel force of top cover tape shall be between 0.1 to 1.3 N



3000 Pcs/Reel

5 Reel /Inner box(15K Pcs)

8 Inner box/Carton box(120K Pcs)

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