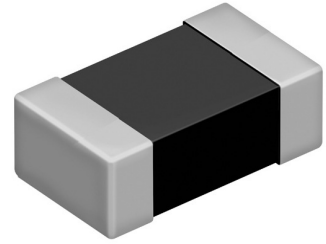


MDT2012-CR Type

Multilayer Ceramic chip power inductor

DESCRIPTION

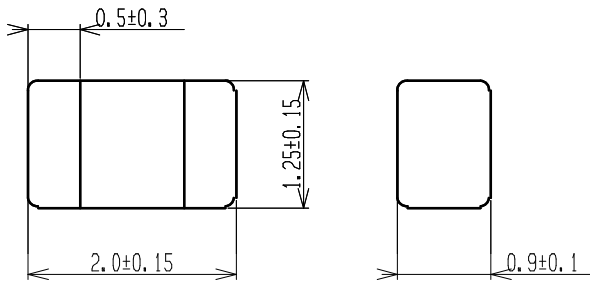
- The TOKO MDT2012 Series is an extremely low profile and miniature size multilayer ceramic chip power inductor with a maximum height of 1.0mm and with 2012 footprint (2.0mm×1.25mm).
- The product is magnetically shielded and designed for space constrained DC-DC converter applications in portable platforms including SmartPhone, DSC,DVC, PDA ,DVD,HDD and Handheld Computers.



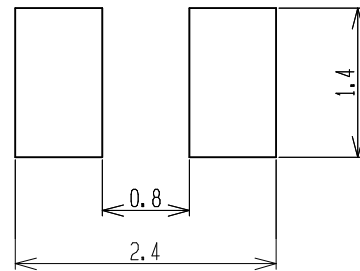
Features

- Miniature size: 2012 footprint (2.0mm×1.25mm) and low profile(1.0mm max.height)
- Magnetically shielded
- Reflow solderable
- Lead-free product
- Operating temperature:-40 ~ 125°C

Dimensions



Recommended land pattern

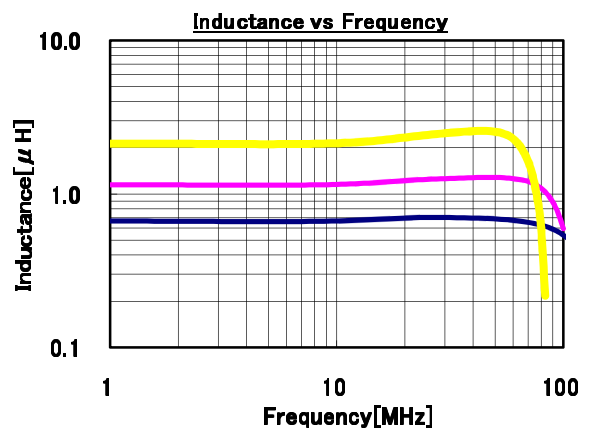
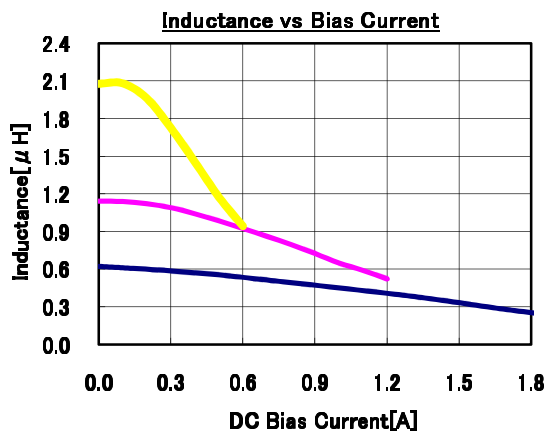


UNIT : mm

● Preliminary Specifications

TOKO No.	Inductance [μH] at 1MHz	Rdc [mΩ]	Rated DC Current [A] *1
MDT2012-CRR56NDD	0.56 ± 30%	65 ± 30%	2.35 max.
MDT2012-CR1R0NDD	1.0 ± 30%	80 ± 30%	2.15 max.
MDT2012-CR2R2NDD	2.2 ± 30%	110 ± 30%	1.85 max.

*1 The current at which a coil temperature to rise by 40°C



Caution

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