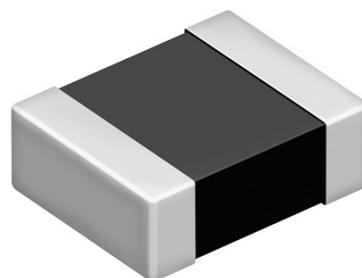


MDT2520-CR Type

Multilayer Ceramic chip power inductor

DESCRIPTION

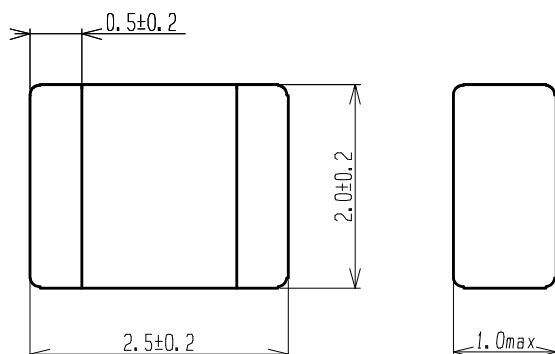
- The TOKO MDT2520-CR Series is an extremely low profile and miniature size multilayer ceramic chip power inductor with a maximum height of 1.0mm and with 2520 footprint (2.5mm×2.0mm).
- The product is magnetically shielded and designed for space constrained DC-DC converter applications in portable platforms including SmartPhone, DSC,DVC, PDA ,DVD,HDD and Handheld Computers.



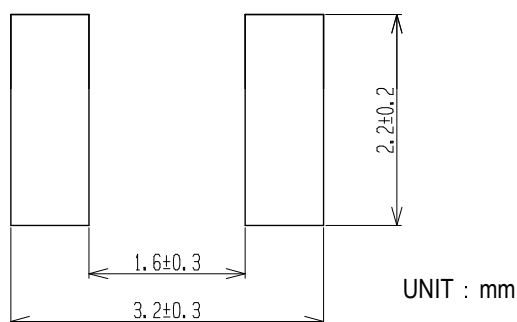
Features

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.0mm max.height)
- Magnetically shielded
- Reflow solderable
- Lead-free product
- Operating temperature:-40 ~ 125°C

Dimensions



Recommended land pattern



● Specifications

| TOKO No. | Inductance [μ H] at 1MHz | Rdc [m Ω] | Rated DC Current [A] *1 |
|------------------|----------------------------------|-------------------|-------------------------|
| MDT2520-CRR47MDD | 0.47 \pm 20% | 53 \pm 30% | 2.65 max. |
| MDT2520-CR1R0MDD | 1.0 \pm 20% | 60 \pm 30% | 2.50 max. |
| MDT2520-CR1R5MDD | 1.5 \pm 20% | 80 \pm 30% | 2.20 max. |
| MDT2520-CR2R2MDD | 2.2 \pm 20% | 90 \pm 30% | 2.10 max. |
| MDT2520-CR3R3MDD | 3.3 \pm 20% | 100 \pm 30% | 2.00 max. |
| MDT2520-CR4R7MDD | 4.7 \pm 20% | 120 \pm 30% | 1.85 max. |

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

Caution

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