

MTSMPI1040 Series High Current Inductors - 1040 Size

Webpage



Sample kit



Buy Online



Support



Tools



Features

- High efficiency
- Low core losses
- Low loss realized with low Rdc
- Perfect for high current application
- Operating temperature: -40 °C to +125 °C

Product Image

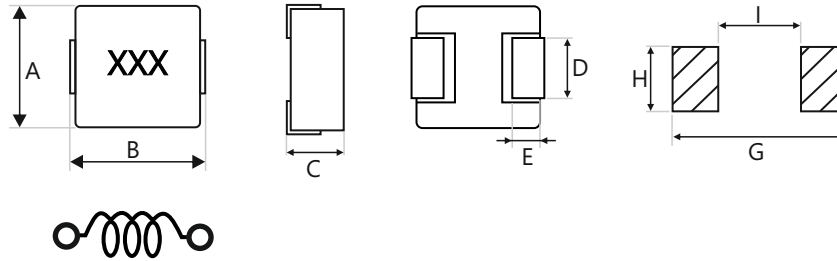


*Displayed image is only for reference purpose, original product may vary.

Applications

- Sepic converter
- High speed charger
- Power Supplies (SMPS)
- Battery Powered Equipments
- High density DC-DC converter

Dimensions



| A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | G (mm) | H (mm) | I (mm) |
|------------|------------|-----------|---------|------------|-------------|------------|--------|
| 10.0 ± 0.3 | 11.5 ± 0.3 | 3.8 ± 0.3 | 3 ± 0.5 | 2.00 ± 0.5 | 13.60 ± 0.5 | 4.10 ± 0.2 | 5.4 |

Electrical Specifications

| Part Number | Inductance (uH) | Tol. | RDC (mΩ) Typ. | RDC (mΩ) max. | Isat (A) | Irms (A) |
|---------------|-----------------|------|---------------|---------------|----------|----------|
| MTSMPI10401R0 | 1 | ±20% | 3.9 | 4 | 36 | 19 |
| MTSMPI10401R5 | 1.5 | ±20% | 5.1 | 6.5 | 20 | 16 |
| MTSMPI10402R2 | 2.2 | ±20% | 7.5 | 8.5 | 19 | 13 |
| MTSMPI10403R3 | 3.3 | ±20% | 10.3 | 11.5 | 16 | 11 |
| MTSMPI10404R7 | 4.7 | ±20% | 14.5 | 16.5 | 14 | 8 |
| MTSMPI10405R6 | 5.6 | ±20% | 17.6 | 23.5 | 12 | 8 |
| MTSMPI10406R8 | 6.8 | ±20% | 21.2 | 25.5 | 11 | 7.5 |
| MTSMPI10408R2 | 8.2 | ±20% | 28.5 | 31 | 10 | 7 |
| MTSMPI1040100 | 10 | ±20% | 37.5 | 42 | 8 | 5 |
| MTSMPI1040150 | 15 | ±20% | 60 | 70 | 7 | 5 |
| MTSMPI1040220 | 22 | ±20% | 85 | 92 | 6 | 3.5 |
| MTSMPI1040330 | 33 | ±20% | 125 | 150 | 4 | 3 |
| MTSMPI1040470 | 47 | ±20% | 170 | 191 | 3 | 3 |
| MTSMPI1040680 | 68 | ±20% | 280 | 340 | 3 | 2.5 |

NOTE:

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