

MTSKU7030 Series SMD Power Inductors - 7030 Size



Features

- Magnetically Shielded
- High Saturation current
- High Temperature stability
- Suitable for reflow soldering
- Strong terminal strength due to its better ferrite material
- Operating temperature: $-40\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$

Product Image

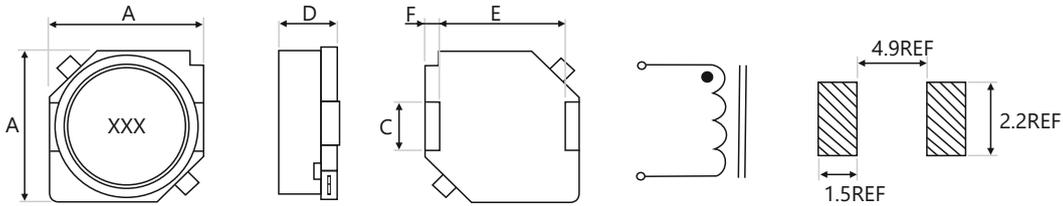


*Displayed image is only for reference purpose, original product may vary.

Applications

- LED Drivers
- DC-DC converter
- BLDC Controllers
- SEPIC Converters
- Power Supplies (SMPS)
- High frequency charger
- Vehicle Tracking Systems
- Battery Powered Equipments

Dimensions



| A (mm) | C (mm) | D (mm) | E (mm) | F (mm) |
|-----------|-----------|-----------|---------|---------|
| 7.00±0.20 | 2.00±0.50 | 3.00±0.20 | 4.9 ref | 0.9 ref |

Electrical Specifications

| Part Number | L(uH) | Tolerance | DCR ($\Omega \pm 20\%$) | IDC (A) |
|--------------|-------|-----------|---------------------------|---------|
| MTSKU70303R3 | 3.3 | ±20% | 0.023 | 1.8 |
| MTSKU70304R7 | 4.7 | ±20% | 0.036 | 1.6 |
| MTSKU70306R8 | 6.8 | ±20% | 0.041 | 1.5 |
| MTSKU7030100 | 10 | ±20% | 0.053 | 1.3 |
| MTSKU7030150 | 15 | ±20% | 0.084 | 1 |
| MTSKU7030220 | 22 | ±20% | 0.11 | 0.86 |
| MTSKU7030330 | 33 | ±20% | 0.16 | 0.65 |
| MTSKU7030470 | 47 | ±20% | 0.24 | 0.57 |
| MTSKU7030680 | 68 | ±20% | 0.31 | 0.49 |
| MTSKU7030101 | 100 | ±20% | 0.45 | 0.35 |

NOTE:

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