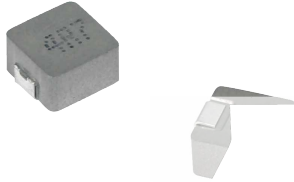


MDE Series

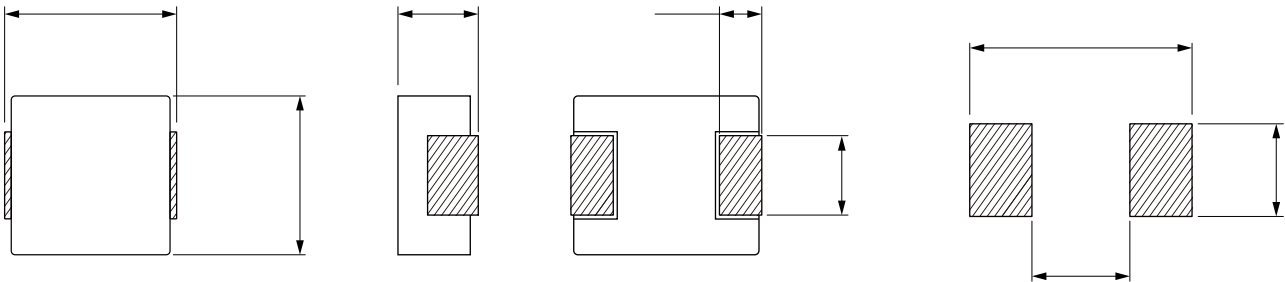


FEATURES

- ROHS, Halogen Free and REACH compliance
- High rated current
- Low core loss
- Ultra low buzz noise due to molding construction
- 9.2×8.5×4.0mm maximum surface mount package
- Operating temperature range - 55 °C to + 125 °C
- Quantity: 800pcs

APPLICATION

- Laptops and PCs
- Switch and servers
- Base stations
- DC/DC converters
- Battery powered devices
- SSD modules



| Part No | Inductance @ 100kHz/1V | Tolerance | DC Resistance Max. | Current Max. (A) | Temperature Rise Current Max. (A) |
|--------------|------------------------|-----------|--------------------|------------------|-----------------------------------|
| MDE0840-R22M | 0.22 | ±20% | 1.80 | 55.0 | 30.0 |
| MDE0840-R33M | 0.33 | ±20% | 2.40 | 40.0 | 25.0 |
| MDE0840-R47M | 0.47 | ±20% | 2.80 | 36.0 | 25.0 |
| MDE0840-R56M | 0.56 | ±20% | 3.20 | 23.0 | 22.0 |
| MDE0840-R68M | 0.68 | ±20% | 3.80 | 22.0 | 21.0 |
| MDE0840-R82M | 0.82 | ±20% | 4.40 | 19.0 | 19.0 |
| MDE0840-1R0M | 1.00 | ±20% | 4.62 | 17.0 | 17.0 |
| MDE0840-1R5M | 1.50 | ±20% | 7.60 | 15.0 | 15.0 |
| MDE0840-1R8M | 1.80 | ±20% | 11.0 | 13.5 | 12.5 |
| MDE0840-2R2M | 2.20 | ±20% | 11.4 | 12.0 | 12.0 |
| MDE0840-3R3M | 3.30 | ±20% | 15.0 | 11.0 | 10.0 |
| MDE0840-4R7M | 4.70 | ±20% | 26.5 | 10.5 | 8.50 |
| MDE0840-5R6M | 5.60 | ±20% | 30.0 | 10.0 | 8.00 |
| MDE0840-6R8M | 6.80 | ±20% | 36.8 | 8.00 | 7.00 |
| MDE0840-8R2M | 8.20 | ±20% | 46.0 | 7.70 | 6.00 |
| MDE0840-100M | 10.0 | ±20% | 59.0 | 7.00 | 5.50 |

| Part No | Inductance @ 100kHz/1V | Tolerance | DC Resistance Max. | Current Max. (A) | Temperature Rise Current Max. (A) |
|--------------|---------------------------|-----------|--------------------------|------------------------|--|
| MDE0840-150M | 15.0 | ±20% | 71.0 | 4.90 | 4.80 |
| MDE0840-220M | 22.0 | ±20% | 113 | 4.50 | 4.20 |
| MDE0840-330M | 33.0 | ±20% | 156 | 3.30 | 3.00 |
| MDE0840-470M | 47.0 | ±20% | 225 | 2.90 | 2.50 |

△