

## MDE Series

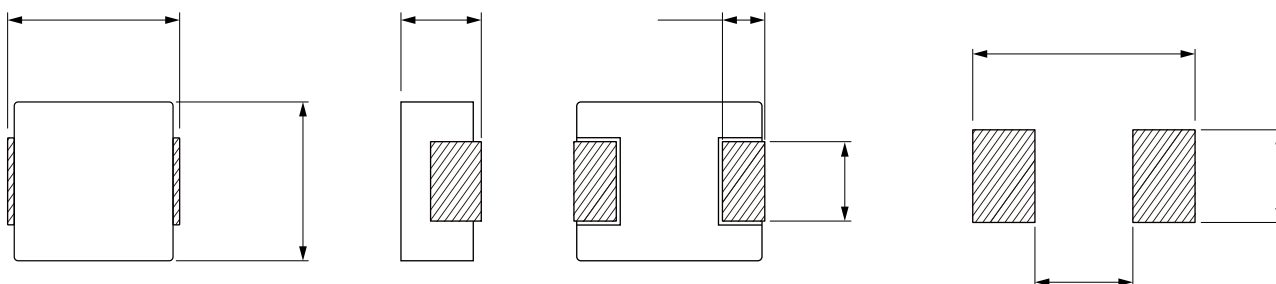


### FEATURES

- 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<br>@ 100kHz/1V | Tolerance | DC<br>Resistance<br>Max. | Current<br>Max.<br>(A) | Temperature<br>Rise Current<br>Max.<br>(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                                       |

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|--------------|---------------------------|-----------|--------------------------|------------------------|--------------------------------------------|
| 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                                       |

