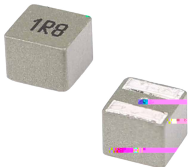


# MDTE Series

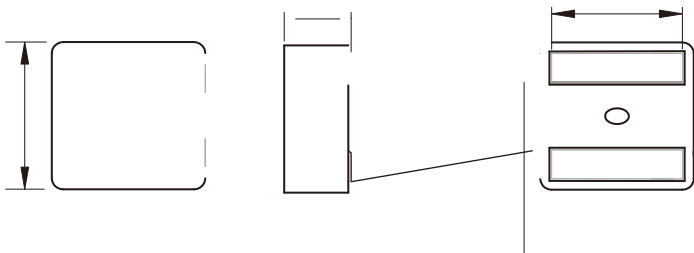


## FEATURES

- So saturation
- High current, low DCR, high efficiency
- Very low acoustic noise and very low leakage flux noise
- High reliability
- 100% Lead(Pb)-Free and RoHS compliant
- Operating temperature -55~+125 °C (Including self - temperature rise)
- Quantity: 450pcs

## APPLICATION

- Note PC power sys
- DC/DC converter



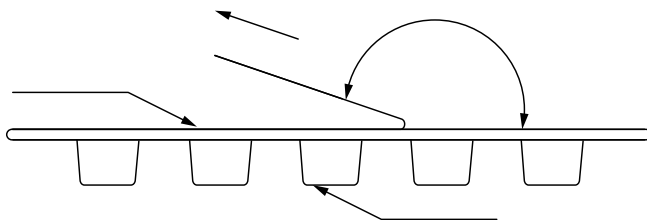
| Part No       | Inductance<br>@ 100KHz/0.1V | Tolerance | Current<br>Typ. | Current<br>Max. | Temperature<br>Rise Current<br>Typ. | DC<br>Resistance<br>Max. | D       |
|---------------|-----------------------------|-----------|-----------------|-----------------|-------------------------------------|--------------------------|---------|
| MDTE8080-1R8M | 1.80                        | ±20%      | 28.0            | 24.0            | 24.0                                | 4.0                      | 7.2±0.3 |
| MDTE8080-2R2M | 2.20                        | ±20%      | 25.0            | 22.0            | 21.5                                | 4.3                      | 7.2±0.3 |
| MDTE8080-3R3M | 3.30                        | ±20%      | 23.0            | 20.0            | 18.0                                | 7.3                      | 6.9±0.3 |
| MDTE8080-4R7M | 4.70                        | ±20%      | 19.0            | 17.0            | 14.6                                | 9.8                      | 6.9±0.3 |
| MDTE8080-6R8M | 6.80                        | ±20%      | 14.5            | 12.5            | 11.3                                | 14.3                     | 6.9±0.3 |
| MDTE8080-100M | 10.0                        | ±20%      | 11.0            | 10.0            | 8.7                                 | 22.9                     | 6.9±0.3 |



°C  
°C  
°C

:

| MDTE8080 | 9.4±0.1 | 8.9±0.1 | 1.5±0.1 | 4.0±0.1 | 16.0±0.1 | 24.0±0.3 | 8.5±0.1 | 1.75±0.1 | 0.35±0.05 |
|----------|---------|---------|---------|---------|----------|----------|---------|----------|-----------|



The peel force of top cover tape shall be between 0.1 to 1.3 N

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