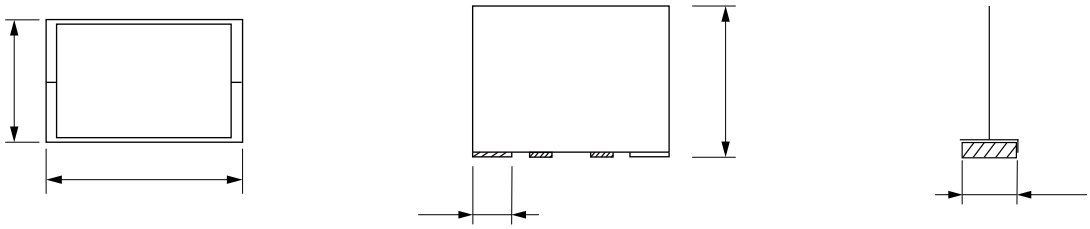


- High satura on characteris c core for large satura on current and low loss.
- Closed magne c circuit design reduces leakage flux.
- High precision DCR.
- Halogen Free & ROHS compliant.
- Opera ng temperature: -40 to +125 °C

- AI Servers, Data Centers, GPU/AI Accelerators.
- Desktop Motherboards, CPU/GPU Power Delivery.
- Mul -phase VRM, High-current DC-DC Converters.
- Networking Equipment, Communica on Infrastructure.



| Series | A | B | C | D (pin1&4) | D (pin2&3) | E1 | E2 |
|---|---|---|---|---|---|---|---|
| MDVR090610 | 9.6 max | 6.4 max | 10.4 max | 3.2 typ | 3.2 typ | 1.50 typ | 1.00 typ |
| MDVR10056 | 10.2 max | 5.0 max | 6.0 max | 4.0±0.3 | 1.4±0.5 | 1.25 typ | 1.20 typ |
| MDVR120612 | 12.0 max | 6.0 max | 12.2 max | 2.55 typ | 2.55 typ | 1.63 typ | 1.27 typ |



| Series | a | b | c | d | e | f |
|---|---|---|---|---|---|---|
| MDVR090610 | 10.1 | 3.9 | 5.8 | 1.0 | 3.8 | 3.8 |
| MDVR10056 | 10.4 | 4.4 | 6.9 | 1.0 | 4.5 | 1.9 |
| MDVR120612 | 12.2 | 4.39 | 7.94 | 0.85 | 3.05 | 3.05 |

| Part No | Inductance @ 500KHz/0.25V (nH) | Tolerance | Temperature Rise Current Typ. (A) 1-4 | Current Typ. (A) 1-4 | DC Resistance ±10% 1-4 | DC Resistance ±10% 2-3 |
|---|---|---|---|---|---|---|
| MDVR090610-R15L | 150 | ±15% | 71 | 65 | 0.125 | 0.45 |

| Part No | Inductance @ 100KHz/1V (nH) | Tolerance | Temperature Rise Current Typ. (A) 1-4 | Current Typ. (A) 1-4 | DC Resistance ±10% 1-4 | DC Resistance ±10% 2-3 |
|---|---|---|---|---|---|---|
| MDVR10056F-R12K | 120 | ±10% | 40 | 54 | 0.29 | 0.70 |

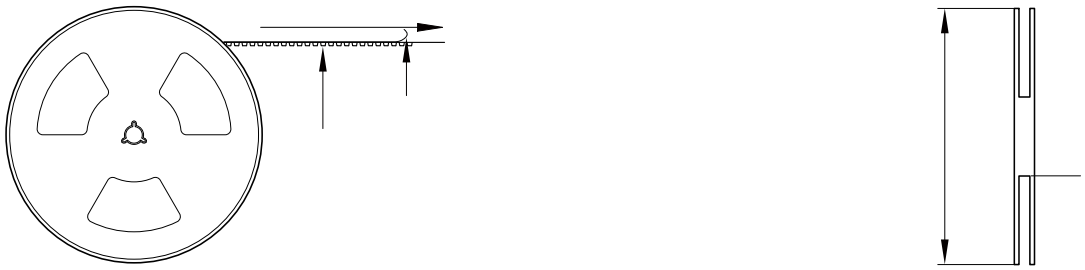
| Part No | Inductance @ 100KHz/0.1V (nH) | Tolerance | Temperature Rise Current Typ. (A) 1-4 | Current Typ. (A) 1-4 | DC Resistance ±10% 1-4 | DC Resistance ±10% 2-3 |
|---|---|---|---|---|---|---|
| MDVR120612-R10K | 100 | ±10% | 75 | 130 | 0.125 | 0.37 |

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|---|---|
| Marking | Printing (In $_{d}$uctance) |

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