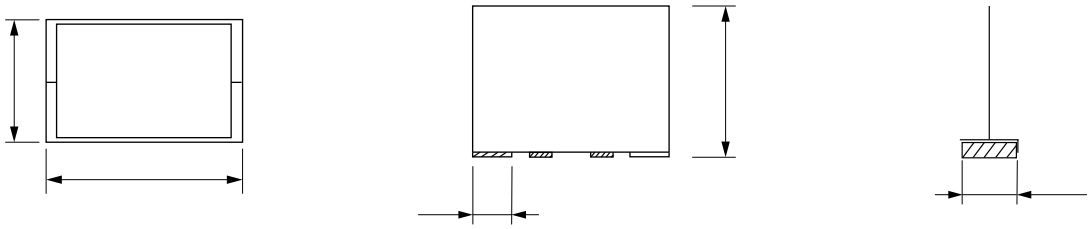


- High satura on characteris c core for large satura on current and low loss.
- Closed magne c circuit design reduces leakage flux.
- High precision DCR.
- Halogen Free & ROHS compliant.
- Opera ng temperature: -40 to +125 °C

- 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	Satura on Current Typ. (A) 1-4	DC Resistance ±10% (mΩ) 1-4	DC Resistance ±10% (mΩ) 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	Satura on Current Typ. (A) 1-4	DC Resistance ±10% (mΩ) 1-4	DC Resistance ±10% (mΩ) 2-3
MDVR10056F-R12K	120	±10%	40	54	0.29	0.70

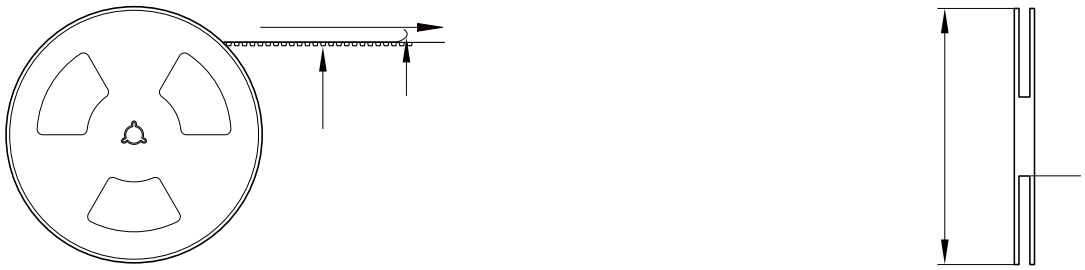
Part No	Inductance @ 100KHz/0.1V (nH)	Tolerance	Temperature Rise Current Typ. (A) 1-4	Satura on Current Typ. (A) 1-4	DC Resistance ±10% (mΩ) 1-4	DC Resistance ±10% (mΩ) 2-3
MDVR120612-R10K	100	±10%	75	130	0.125	0.37

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

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