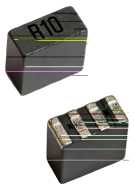
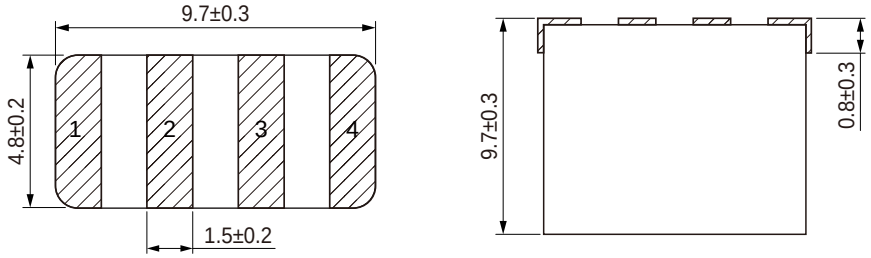
Molding Power Inductors
Size 100510



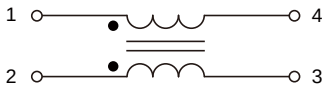
- Compliant for 100% Lead(Pb)-Free and RoHS.
- Higher current carrying Capacity, lower DCR, and more e ciency.
- Opera ng temperature: -55 to +125 °C(Including self - temperature rise).
- Quan ty: 400PCS

- 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.

Dimensions: [mm]



Schematic:



Electrical Properties:

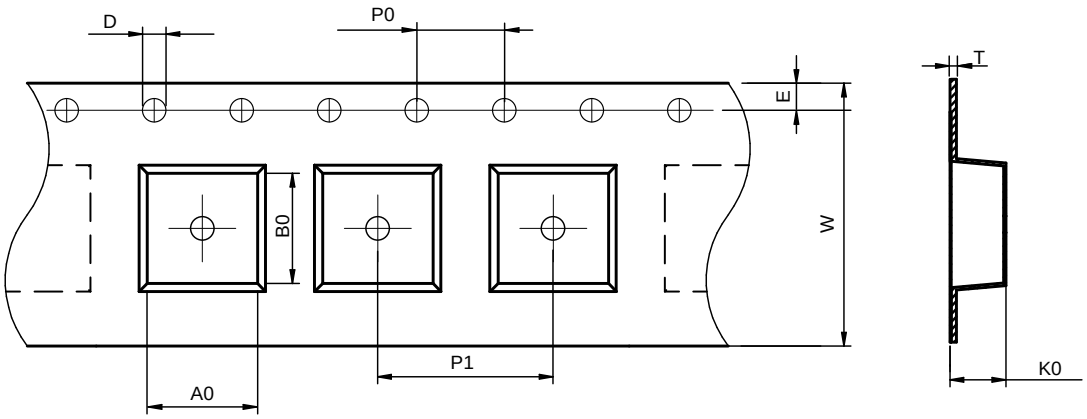
Part No	Inductance (μH)	Min. (nH)	Resistance (mΩ)	Resistance (mΩ)	Rise Current	Satura on Current	Hi-Pot Min.	Min.
TLVR100510-R10M-02	0.1±20%	58	0.125±10%	0.40±10%	75	130	100	0.9

All test data is referenced to 25 °C ambient.
Saturation Current will cause L0 to drop approximately 30%.
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40 °C.
FLL: tested @100 kHz, 1.0 Vrms, Isat, applied for +25 °C.
Hi-Pot: as pass / fail judgement, tested @ 2s,2mA, between 2 windings.

Soldering Reflow:

Packaging Information:

Tape Dimension：



A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
5.3±0.1	10.3±0.1	1.5±0.1	4.0±0.1	12.0±0.1	24.0±0.3	10.3±0.1	1.75±0.1	0.5±0.05

Product Marking:

Marking	Printing Inductance)