

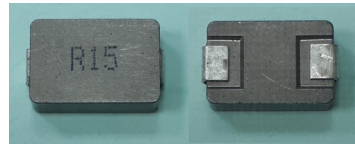
TCSMD-ML Series DATA

Rectangle Moding Hight Current Power SMD Inductor for TLVR

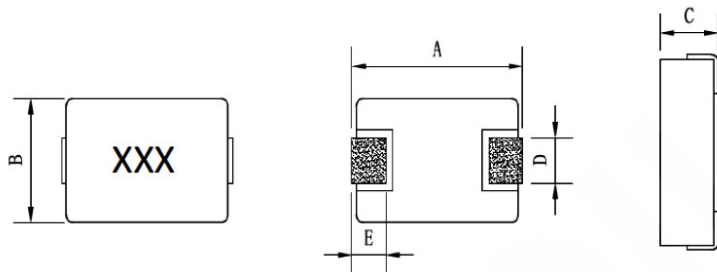


High Power Low DCR Inductor For TLVR Applications:

(AI) Servers
Notebook regulators
Multi-phase and Vcore regulators
Battery power systems
Graphics cards
VRM(Voltage Regulator Module) for server
DC/DC converters in distributed power systems.
DC/DC converter for Field Programmable Gate Array(FPGA).



Mechanical Dimensions: Unit:mm



Item	A	B	C	D	E
TCSMD-ML130804	12.8±0.3	7.95±0.2	4.0Max	3.0±0.5	2.5±0.5

Product Identification :

TCSMD - ML130804 - L_{0A}

(1) - (2) (3) - (4)

(1) Selmag Product Symbol

(2) Product Series

(3) Dimensions Size (130804 : length=12.8mm width=7.95mm , High=4.0mm)

(4) Inductance L_{0A} @ Test Condition : 100kHz ,1.0 Vrms.

Electrical Specifications @25°C:

High performance (Isat) realized by metal dust core.

Low loss realized with low DCR

Magnetically Shielded.

Operating Temperature : -55°C to 125°C.

Absolute maximum voltage: DC 75V

*Isat: DC current at which the inductance drops approximate 30% from its value without current;

*Irms: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient.

Note: * See the Specification detail.