

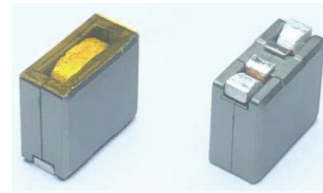
TCSMD-PM Series(TLVR) DATA

Assembled High current Low DCR SMD TLVR Inductor

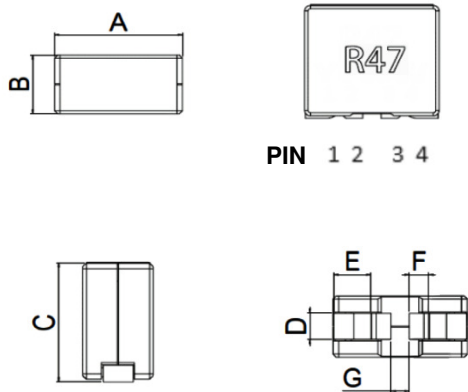


High Power Low DCR-TLVR Inductor Applications:

(AI) Servers
Notebook regulators
Multi-phase and Vcore regulators
Battery power systems
Graphics cards



Mechanical Dimensions: Unit:mm



Item	A	B	C	D	E	F	G
TCSMD-PM100512	10.0 Max	5.2 Max	12.0 Max	2.5±0.2	2.7±0.2	1.1±0.2	1.46±0.3
TCSMD-PM120611	12.0 Max	6.0 Max	11.1 Max	2.5±0.3	3.25±0.3	1.7±0.3	1.6±0.3
TCSMD-PM120612	12.0 Max	6.0 Max	12.0 Max	2.5±0.3	3.25±0.3	1.7±0.3	1.6±0.3

Product Identification :

TCSMD -PM100512 - L_{0A}

(1) - (2) - (3)

(1) Selmag Product Symbol

(2) Dimensions Size (100512 : length=10.0mm width=5.0mm , High=1.2mm)

(3) Inductance: L_{0A} (Open Circuit Inductance (OCL) @ 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: -40°C to 125°C (Including coils self-temperature rise)

* Irms: Pin 1-4 /Pin 2-3, DC current for an approximate temperature rise of 40 °C without core loss

* Isat : Peak current for approximately 20% rolloff @+25 °

* DCR: Pin 1-4/Pin 2-3, Direct current resistance @+25 °C.

*Temperature Rise Current(Irms) : The current will causes the coil temperature rised approximately ΔT=40°C

Note *:See the Specification detail.