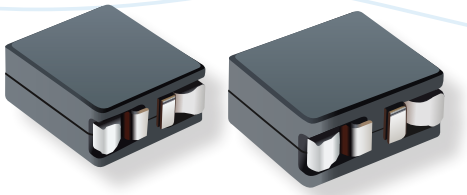
BOURNS®

NEW PRODUCT RELEASE

MAGNETICS



Bourns Releases New TLVR (Trans-Inductor Voltage Regulator) Inductors

Model TLVR1005T and TLVR1105T Series

Riverside, California – May 7, 2024 – Bourns Magnetics Product Line is introducing the new Model TLVR1005T and TLVR1105T Series TLVR Inductors. Designed with a dual-winding structure, these components feature low inductance and extremely high current capabilities, making them ideal for high-power and multi-phase power solutions.

The Model TLVR1005T and TLVR1105T Series feature a broad operating temperature range of -40 °C to +125 °C. These inductors are well suited for applications in servers, workstations, data centers, and computers (POL for CPU, GPU and TPU) where higher inductor reliability may be required.

Characteristics:

Series	Size (mm)	Inductance (nH)	Heating Current Irms (A)	Saturation Current Isat (A) @ 25 °C	Saturation Current Isat (A) @ 100 °C	Saturation Current Isat (A) @ 125 °C	Operating Temperature (°C)
TLVR1005T	9.7 x 4.7 x 11.7	70 - 170	75 & 35	52 - 127	45 - 110	41 - 100	-40 to +125 °C
TLVR1105T	11.7 x 5.7 x 11	70 - 200	77 & 45	58 - 160	50 - 140	43 - 130	-40 to +125 °C

Please visit the Bourns website at www.bourns.com for additional product details. For more information on Bourns® Magnetics, check out the additional available resources in the Bourns® Magnetics Technical Library. Feel free to contact Bourns Customer Service if you have any questions.

Features

- Shielded construction for low radiation
- Dual-winding structure
- Extremely high current
- Inductance range: 70 to 200 nH
- RoHS compliant* and halogen free**

Applications

- Servers and workstations
- Data centers
- Data networking and storage systems
- Notebook and desktop computers
- Graphic cards and battery powered systems
- Multi-phase regulators
- Voltage Regulator Modules (VRMs)

* *RoHS Directive 2015/863, Mar 31, 2015 and Annex.*

** *Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.*

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