



NEW PRODUCT RELEASE

THERMAL DISSIPATION DEVICES

ADVANCE NOTICE



Bourns Releases Thermal Jumper Chip for Thermal Dissipation BTJ Series

Riverside, California - TO BE RELEASED December 16, 2025 – Bourns introduces the new BTJ Thermal Jumper Chip Series for thermal dissipation in a variety of electronic applications.

The BTJ Series is a unique surface mount component that provides high thermal conductivity while also possessing insulating properties.

This series is suitable for thermal conductivity and dissipation in a variety of mobile devices and electronic equipment. In addition, by taking advantage of its insulating properties, the space between the heating element and the heat detection element can be occupied, enabling highly accurate heat detection. These features also reduce the temperature rise of key components, thereby improving reliability at the system level.

Bourns Part No.	EIA Size (Inches)	Thermal Resistance (°C/W)	Thermal Conductance (mW/°C)	Capacitance (pF)	Dielectric Withstand Voltage kVac, RMS (60 Hz)
BTJ050820T100	0508	6	160	0.15	> 1.5
BTJ060320T100	0603	20	50	0.07	> 1.5
BTJ061225T100	0612	4	250	0.26	> 1.5
BTJ120625T100	1206	16	63	0.07	> 3.0
BTJ122525T200	1225	4	250	0.26	> 1.5
BTJ251225T200	2512	16	63	0.07	> 5.0

Please visit the Bourns website at www.bourns.com for additional product details and contact [Bourns Customer Service/Inside Sales](#) if you have any questions.

Features

- High thermal conductivity (AlN: 170 W/mK)
- High insulation resistance
- Low capacitance
- Operating temperature: -55 °C to +155 °C
- RoHS compliant* and halogen free**

Applications

- Power supplies
- Switching power supplies
- Converters
- Amplifiers / RF, GaN
- Various ECUs
- Pin and laser diodes
- Data servers

* 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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