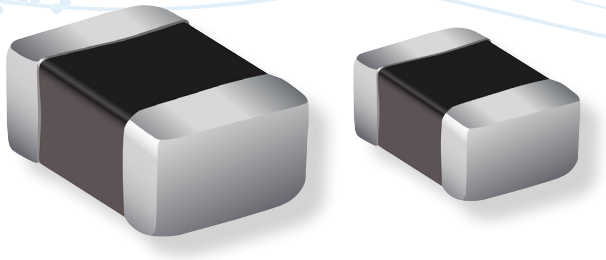
BOURNS®

NEW PRODUCT RELEASE

NTC THERMISTORS



Bourns Releases SMD NTC Thermistors for Thermal Sensing

BTN02G, BTN04G Series

Riverside, California – May 30, 2025 – Bourns Thermal & Precision product line is introducing the BTN02G and BTN04G Series SMD Negative Temperature Coefficient (NTC) Thermistors for temperature sensing in a variety of electronic applications.

The BTN02G and BTN04G Series are small, high precision SMD products suitable for temperature sensing and compensation in a variety of mobile devices and electronic equipment.

In addition to the standard ±3 % and ±5 % high precision resistance tolerances, these NTC Thermistors are also available in ±1 % and ±2 % resistance tolerances. The B-value tolerance is highly accurate at ±1 %, making these products ideal as temperature sensors.

Bourns Part Number	EIA Size	Resistance @25 °C (Ohms)	Resistance Tolerance (%)	B-Value 25/50 °C	B-Value Tolerance (%)
BTN02G103F3HFT00	0201	10K	±1	3380	±1
BTN02G103G3HFT00	0201	10K	±2	3380	±1
BTN02G103H3HFT00	0201	10K	±3	3380	±1
BTN02G103J3HFT00	0201	10K	±5	3380	±1
BTN02G473F4AFT00	0201	47K	±1	4050	±1
BTN02G473G4AFT00	0201	47K	±2	4050	±1
BTN02G473H4AFT00	0201	47K	±3	4050	±1
BTN02G473J4AFT00	0201	47K	±5	4050	±1
BTN02G104F4EFT00	0201	100K	±1	4250	±1
BTN02G104G4EFT00	0201	100K	±2	4250	±1
BTN02G104H4EFT00	0201	100K	±3	4250	±1
BTN02G104J4EFT00	0201	100K	±5	4250	±1

Bourns Part Number	EIA Size	Resistance @25 °C (Ohms)	Resistance Tolerance (%)	B-Value 25/50 °C	B-Value Tolerance (%)
BTN04G103F3HFT00	0402	10K	±1	3380	±1
BTN04G103G3HFT00	0402	10K	±2	3380	±1
BTN04G103H3HFT00	0402	10K	±3	3380	±1
BTN04G103J3HFT00	0402	10K	±5	3380	±1
BTN04G103F3TFT00	0402	10K	±1	3900	±1
BTN04G103G3TFT00	0402	10K	±2	3900	±1
BTN04G103H3TFT00	0402	10K	±3	3900	±1
BTN04G103J3TFT00	0402	10K	±5	3900	±1
BTN04G333F4AFT00	0402	33K	±1	4050	±1
BTN04G333G4AFT00	0402	33K	±2	4050	±1
BTN04G333H4AFT00	0402	33K	±3	4050	±1
BTN04G333J4AFT00	0402	33K	±5	4050	±1
BTN04G473F4AFT00	0402	47K	±1	4050	±1
BTN04G473G4AFT00	0402	47K	±2	4050	±1
BTN04G473H4AFT00	0402	47K	±3	4050	±1
BTN04G473J4AFT00	0402	47K	±5	4050	±1
BTN04G104F4EFT00	0402	100K	±1	4250	±1
BTN04G104G4EFT00	0402	100K	±2	4250	±1
BTN04G104H4EFT00	0402	100K	±3	4250	±1
BTN04G104J4EFT00	0402	100K	±5	4250	±1

Additional Information

DATA SHEET | DATA SHEET | PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

~ Continued on next page ~

KLM2502

Americas: Tel +1-951 781-5500 americus@bourns.com
EMEA: Tel +36 88 885 877 eurocus@bourns.com
Asia-Pacific: Tel +886-2 256 241 17 asiacus@bourns.com
Mexico: Tel +52 614 478 0400 mexicus@bourns.com

Please visit the Bourns website for additional product details, and feel free to contact Bourns Customer Service/ Inside Sales if you have any questions.

Features

- RoHS compliant*
- Halogen free**
- Highly reliable structure
- Operating temperature range: -40 °C to +125 °C
- Agency recognition: UL / TÜV

Applications

- Battery packs
- LED lighting products
- Mobile devices
- IT equipment
- Office automation equipment

* *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.*