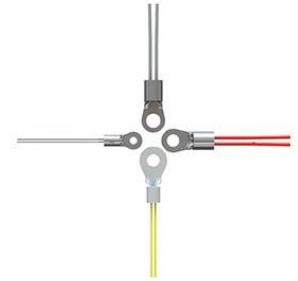


NTCALUG Family of NTC Lug Thermistors Now Offers a 100 % Lead (Pb)-Free Construction for Full RoHS Compliance With no Exemptions

Product Benefits:

- Manufactured with a 100 % lead (Pb)-free ceramic die
- Variety of devices available:
 - Standard lug thermistors are capable of continuous operation to +150 °C and long term reliability of 5,000 hours (dry heat)
 - Devices featuring a nickel conductor and low profile closed ring tongue provide a low thermal gradient
 - Mini lug sensors are optimized for fast reactions in space-limited applications
- Offered in both AEC-Q200 and cULus-recognized versions
- High insulation voltage ratings up to 2.7 kVAC
- Rugged construction
- Ring tongue terminals allow for easy mounting
- Available with a range of customization options to meet specific design requirements



Market Applications:

- Temperature sensing in electric vehicle (EV) battery management systems, consumer appliances, 3D printers, HVAC systems, welding equipment, alternative energy systems, motor drives, power electronics, and more

The News:

Vishay Intertechnology announces that its popular NTCALUG family of NTC lug thermistors is now available in a 100 % lead (Pb)-free construction, making them the industry's first such devices to offer full RoHS compliance with no exemptions.

- NTCALUG family thermistors contribute to a cleaner environment by eliminating all hazardous substances that could potentially cause issues during recycling and disposal
- When RoHS exemption 7c-I expires — which allows for lead (Pb) in glass — designers utilizing the components will already be in full compliance

The Key Specifications:

Part / series	Screw size	R ₂₅ (kΩ)	R ₂₅ tolerance (%)	B _{25/85} (K)	B _{25/85} tolerance (%)	Temp. range (°C)
NTCALUG03A...A / NTCALUG39A...A	M2/3	10 to 47	± 2 to ± 3	3740 to 3984	± 0.5 to ± 1.5	-40 to +125
NTCALUG01A...A	M3/3.5	4.7 to 100	± 1 to ± 5	3435 to 4190	± 0.5 to ± 1.5	-40 to +150
NTCALUG01T...A	M3/3.5	10	± 1 to ± 2	3435 to 3984	± 0.5 to ± 1	-40 to +150
NTCALUG02A...A	M3/3.5	4.7 to 100	± 1 to ± 3	3435 to 4190	± 0.5 to ± 1.5	-55 to +125
NTCALUG91A...A	M4	10	± 2 to ± 3	3435 to 3984	± 0.5 to ± 1	-40 to +150
NTCALUG54A...A	M5	10	± 2 to ± 3	3435 to 3984	± 0.5 to ± 1	-40 to +150
NTCALUG85A...A	M6	10	± 2	3435 to 3984	± 0.5 to ± 1	-40 to +150

**Availability:**

Samples and production quantities of the 100 % lead (Pb)-free NTCALUG family thermistors (part numbers denoted by suffix "A") are available now, with lead times of 12 weeks.

To access the product datasheets on the Vishay Website, go to

- <http://www.vishay.com/ppg?29092> (NTCALUG01A Series)
- <http://www.vishay.com/ppg?29164> (NTCALUG01T)
- <http://www.vishay.com/ppg?29094> (NTCALUG02A)
- <http://www.vishay.com/ppg?29114> (NTCALUG03A / LUG39A Mini LUG Series)
- <http://www.vishay.com/ppg?29194> (NTCALUG54A M5)
- <http://www.vishay.com/ppg?29195> (NTCALUG85A M6)
- <http://www.vishay.com/ppg?29193> (NTCALUG91A M4 Series)

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