



POWER THICK FILM RESISTOR

RTO 20 and RTO 50

20 W and 50 W Power Resistor, Thick Film Technology, TO-220



KEY BENEFITS

- TO-220 package: compact and easy to mount
- 20 W and 50 W power ratings available with through-hole or SMD versions
- Broad resistance range: 0.01 Ω to 1 M Ω
- Low thermal resistance down to 2.6 $^{\circ}\text{C}/\text{W}$
- Non-inductive element

APPLICATIONS

- Industrial and medical power supplies
- Test equipment
- Power conversion
- Current sensing
- Snubbers

RESOURCES

- Datasheet: RTO 20 - <http://www.vishay.com/ppg?50005>
- Datasheet: RTO 50 - <http://www.vishay.com/ppg?50035>
- For technical questions contact sfer@vishay.com



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RoHS
COMPLIANT

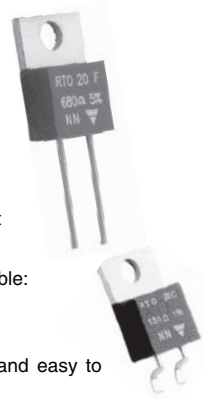
RTO 20 FEATURES

- 20 W at 25 °C heatsink mounted
- High power dissipation to size ratio
- Wide resistance range from 0.01 Ω to 550 kΩ
- Negligible inductance
- Easy mounting
- TO-220 package: Compact and easy to mount
- Compliant to RoHS directive 2011/65/EU

Two versions of this thick film resistor are available:

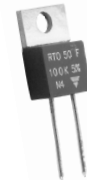
- A radial leaded version for PCB mounting
- A flat lead version for surface mounting

The well known TO-220 package is compact and easy to mount.

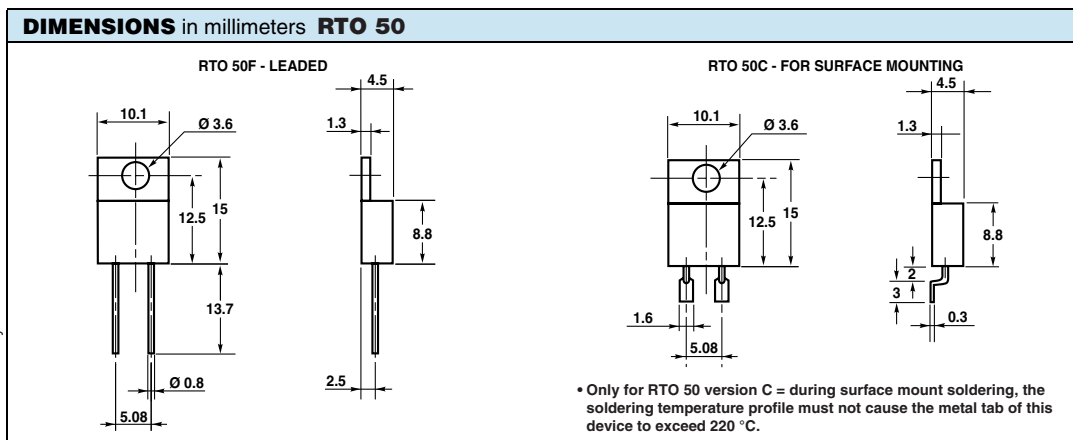
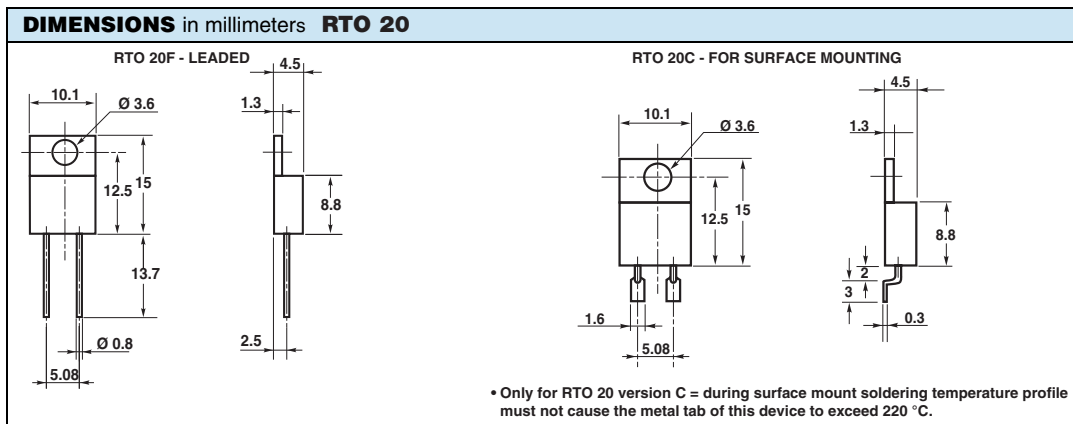


RTO 50 FEATURE

- 50 W at 25 °C heatsink mounted
- Adjusted by sand trimming
- Leaded or surface mount versions
- High power to size ratio
- Non inductive element
- Compliant to RoHS directive 2011/65/EU



Because of the knowledge and experience in Thick Film technology, Vishay Sfernice has been able to develop a high power resistor in a TO-220 package called RTO 50. The special design of this component allows the dissipation of 50 W when mounted on a heatsink.



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