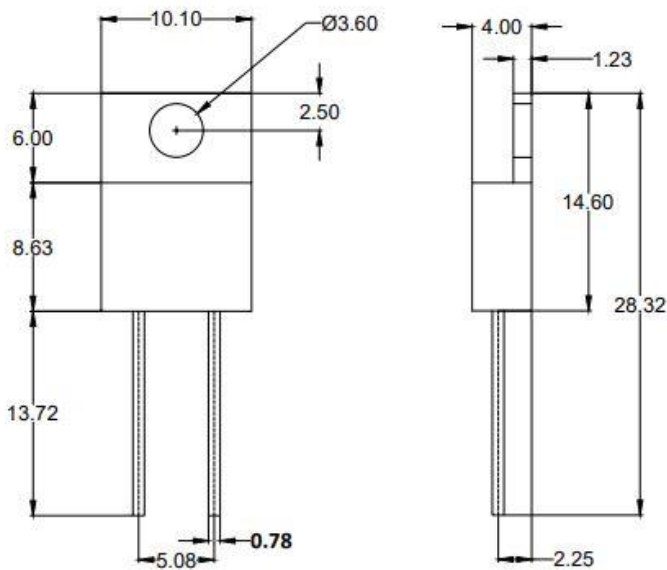


Features

- TO-220 package configuration.
- Single-screw mounting simplifies attachment to heat sink.
- Molded case for environmental protection.
- Standard lead form for easier fit.
- Non-Inductive design on request.
- ROHS compliant.

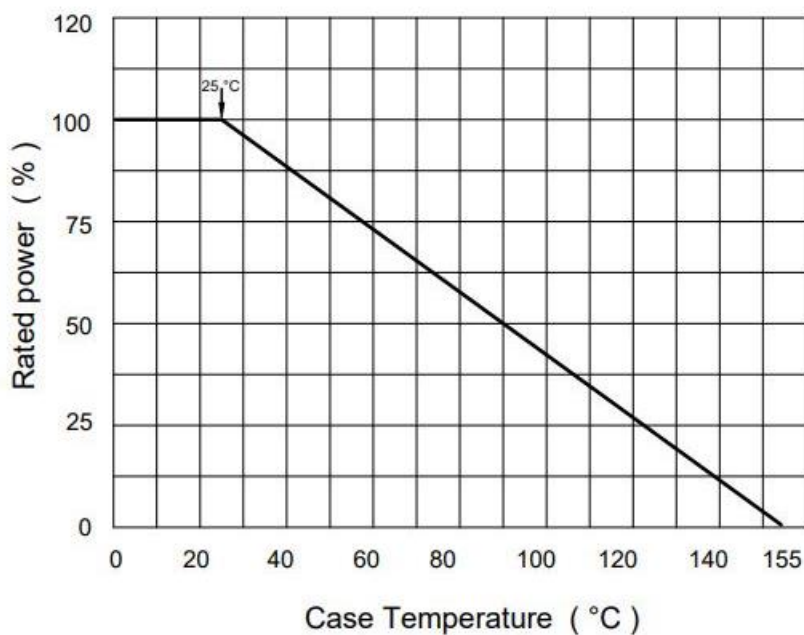


Dimensions in mm



Consider all dimensions tolerance: $\pm 0.38\text{mm}$

Power Derating curve



Electrical Specifications

Power Rating @ 25°C Case Temperature: 20 W

Tolerance: $\pm 1\%$, $\pm 5\%$

TCR: ± 100 PPM/°C

Operating Temperature Range: -55°C to +155°C

Lead material: Tinned plated copper wire

Characteristics	Test Methods	Limits
D C Resistance	Resistors are tested with standard specified voltages for its Ohmic values to check the specified tolerance.	The Resistors shall be within Specified tolerance limits.
TCR	The Resistors value shall be checked at 2 temps. i.e., one At Ambient & the final at Amb. + 100°C.	± 100 PPM/°C
Insulation Resistance	Insulation is measure between terminal & Body of the resistor	> 10GΩ
Dielectric strength	Resistor is tested between terminal & Body @ 2KV AC for 1 Minute	There shall be no flash over or break down.
Short Time Overload	The Resistors shall be subjected to 1.6 times the Rated Voltage For duration of 5 secs. with heatsink.	$\Delta R \pm 0.25\%$
Solderability	The resistors are tested using a solder bath maintained at 230°C & dipped for duration of 3 sec.	A Fresh solder shall cover the specimen leads by min 95% Coverage.
Rated Load	A Rated Continuous Working Voltage or Maximum Working Voltage whichever less shall be applied to the resistors for a duration of 2 Hrs. with heatsink.	$\Delta R \% = \pm 1\%$ Max
Resistance to Soldering Heat	Resistor is tested for soldering heat at 270°C for 10 sec.	$\Delta R \pm 0.5\%$
Terminal Strength	Pull Test: Specimen are tested using 5N Force. Bend Test: Two consecutive bends through 180° three times	The Specimen shall have no breakage of leads

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