

# NPR 2 Thick Film Power Resistors



The NPR 2 thick film power resistor is housed in the convenient TO-220 case. Careful choice of material and a rugged construction ensures a reliable component.

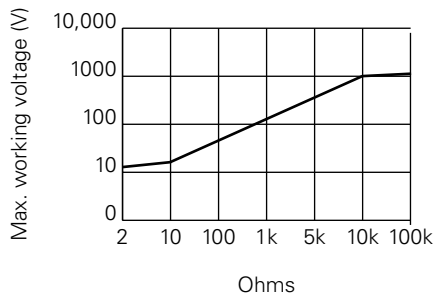


- TO220 housing
- Rated power 30 watts
- Resistances from 0.02 to 100k ohms
- Operating temperature -40°C to +155°C
- RoHS Compliant

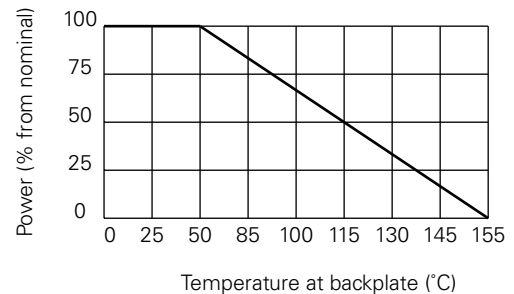
## Characteristics

Tolerance (Code):	From R02 $\pm 2\%$ (G), $\pm 5\%$ (J). From 1R $\pm 1\%$ (F), $\pm 2\%$ (G), $\pm 5\%$ (J)
Temperature coefficient:	R02 to R049 +600ppm/K, R05 to R099 $\pm 300$ ppm/K, R1 to 100k $\pm 100$ ppm/K or $\pm 50$ ppm/K on request
Thermal resistance Rthj-c	3.5 k/W
Stability:	0.5%
Voltage proof:	2000 VDC
Working voltage:	1000 VDC Max depending on resistance value
Operating temperature:	-40°C to +155°C

## Max Working Voltage



## Derating Curve



## Ordering Procedure

Standard Resistor To specify standard: Part No., Resistance and Tolerance, e.g.: NPR 2 - T220 5R 1%

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Threemilestone Ind. Estate,  
Truro, Cornwall, TR4 9LG, UK.  
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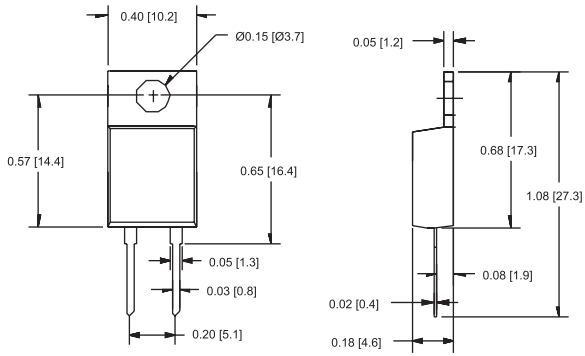
[www.arcolresistors.com](http://www.arcolresistors.com)

The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore, specifications may change.

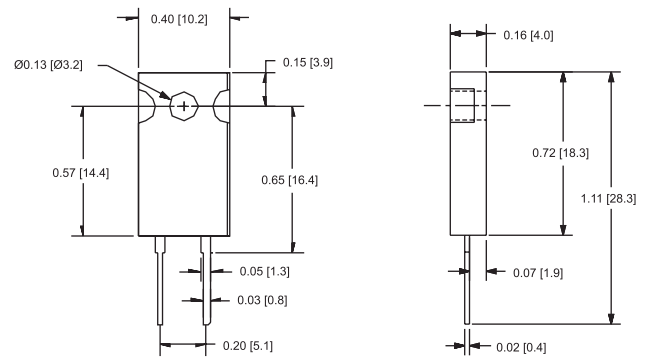
It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.

## Dimensions (mm)

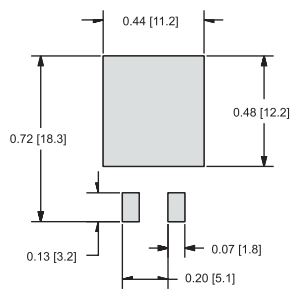
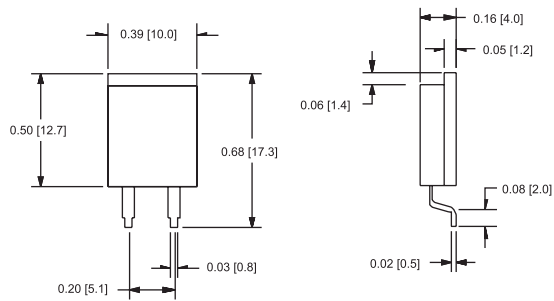
### NPR 2 - T220



### NPR 2 - T221



### NPS 2 - T220



### Solder Pad Layout