

TFBR Stainless Steel Power Resistors



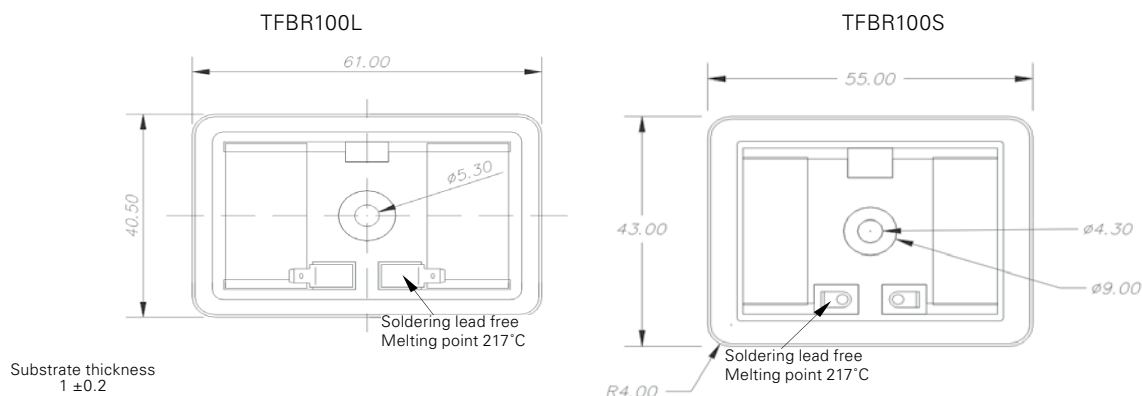
The TFBR series provides high power density in a low profile package. Designed for easy assembly and supplied with a variety of terminal styles, the film technology lends itself to high frequency operation due to its low inductance characteristics. The added benefit of high instantaneous pulse capacity also makes the TFBR suitable for braking, snubbing and discharge requirements. This product is RoHS compliant.



Characteristics

Tolerance (Code):	$\pm 10\%$ (K) standard, $\pm 5\%$ (J) on request
Operating temperature:	-55°C to +200°C
Pulse power:	$8 \times P_{\text{Nom}} < 1\text{s}$
Peak voltage:	4kV
Insulation resistance:	1000M Ω
Max operating voltage:	< 1000V subject to resulting power
Temperature coefficient:	< $\pm 100\text{ppm}/^\circ\text{C}$
Thermal resistance:	0.5°C/W
Max surface temperature:	350°C with forced-air cooling on surface, 250°C without cooling
Dielectric strength:	TFBR100 / TFBR300 - 2000V, TFBR900 - 2500V

Dimensions (mm)



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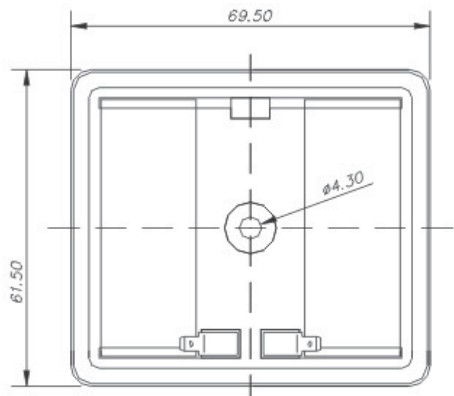
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It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.

Dimensions (mm)

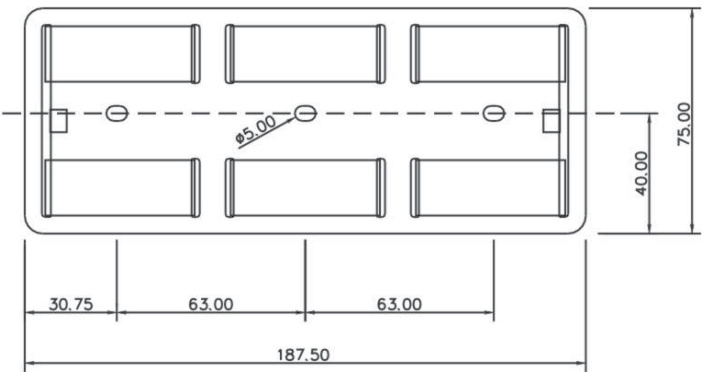
TFBR300



Soldering lead free
Melting point 217°C

Substrate thickness
1 ±0.2

TFBR900



Substrate thickness
1.2 ±0.2

Electrical Specifications

Type	Wattage (in free air)	Wattage (on heat sink)	Value Range
TFBR100	20	100	3R - 10K
TFBR300	40	300	3R - 10K
TFBR900	120	900	10R - 10K

Ordering Procedure

Standard Resistor: Series, Resistance Value, Tolerance, Terminal
e.g TFBR100S 3R J

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