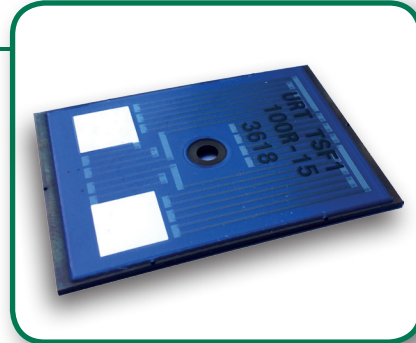


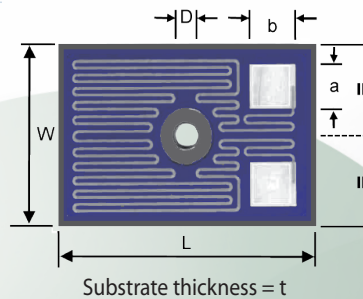
RoHS

FEATURES

- Ultra low profile thick-film on steel
- Ideal for dynamic braking, inrush limit and snubber circuits
- Low inductance design
- RoHS compliant, non-flammable construction
- High isolation, even after failsafe overload fusing
- 180W & 200W
- Single fixing heatsink mountable
- Peak power 1.5kW to 2.0kW



PHYSICAL CONFIGURATION



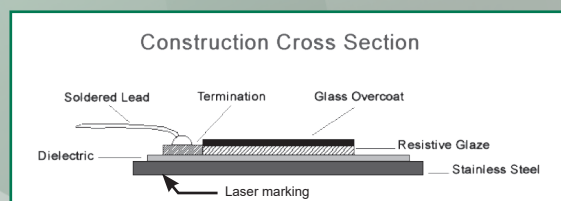
DIMENSIONAL TABLE

	$L \pm 0.1$	$W \pm 0.1$	$t \pm 0.1$	$\varnothing D \text{ nom}$	a	b
TFS1	49.3	35.9	1.0	3.20	5.0	8.8
TFS2	61.0	40.6	1.0	5.3	5.0	8.8

Dimensions in mm

CONSTRUCTION

A high integrity dielectric layer is applied to a machined stainless steel substrate. Thick-film conductor and resistor patterns are printed and fired, then protected with a high temperature overglaze. The termination pads are tinned with solder and optional terminals or leads are soldered on.



	Bolt Size	Typical Tightening Torque (Nm)
TFS1	M3	2
TFS2	M5	2.5



RoHS

ELECTRICAL CHARACTERISTICS

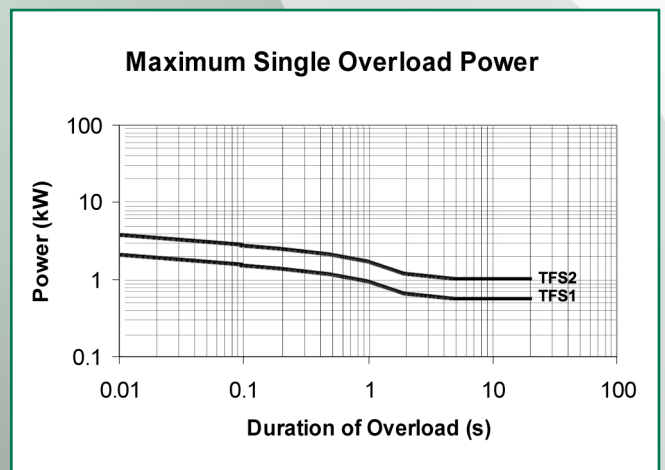
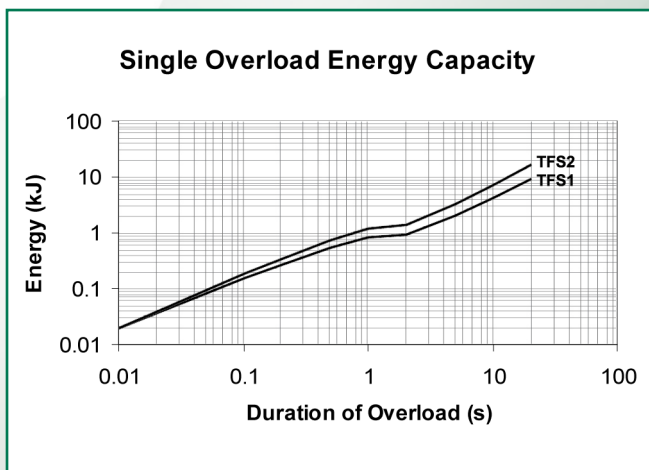
Resistance range ohms		12, 15, 20, 22, 25, 47, 50, 100, 150R			
Resistance tolerance	%	15			
Pulse power rating ¹	kW	TFS1	1.5	TFS2	2
Power rating on heatsink ²	W	180		200	
Power rating on fan-cooled heatsink ³	W	700		770	
TCR	ppm/°C	±600			
Maximum element temperature	°C	350			
Ambient temperature range (heatsink)	°C	-55 to +200			
Dielectric withstand ⁴	V (dc)	2500			
Inductance (typical)	μH	<3			

Notes

1. For details of pulse condition see Fig. 1 in Performance Data.
2. Mounted on a 0.53°C/W heatsink with no forced air cooling, air temperature 25°C.

3. Mounted on a 0.53°C/W heatsink with 5m/s forced air cooling, air temperature 25°C.
4. Duration 2s minimum

OVERLOAD CONDITIONS



ORDERING PART NUMBER

Type	Ohmic value	Tolerance
TFS1	100R	10%

