



SEMIFUSE® SFLR Series PTC Fuses

Our SFLR series PTC fuse provides reliable non-cycling protection against over-charging and short-circuits. The SFLR PTCs are smaller, have lower resistance and trip faster making them ideal for the latest generation of battery designs.

Applications

- Rechargeable battery packs
- Lithium cell
- Battery packs

Features

- Low profile
- Solid state

Agency Approvals

UL, C-UL and TÜV



Part Number	I _{hold} (A)	I _{trip} (A)	V _{max} (Vdc)	I _{max} (A)	P _{d max} (W)	Maximum time to trip@23°C		Resistance @ 23°C		Maximum Dimension (mm)	
						Current (A)	Time (s)	R _{min} (Ω)	R _{max} (Ω)	A	B
SFLR190F	1.9	3.9	15	100	1.2	9.5	5	0.039	0.102	22.1	5.5
SFLR260F	2.6	5.8	15	100	2.5	13	5	0.02	0.063	23.1	5.5
SFLR380F	3.8	8.3	15	100	2.5	19	5	0.013	0.037	26	7.5
SFLR450F	4.5	8.9	20	100	2.5	22.5	5	0.011	0.028	26	10.5
SFLR550F	5.5	10.5	20	100	2.8	27.5	5	0.009	0.022	37	7.5
SFLR600F	6	11.7	20	100	2.8	30	5	0.007	0.019	26	14.5
SFLR730F	7.3	14.1	20	100	3.3	36.5	5	0.006	0.015	29.1	14.5
SFLR900F	9	16.7	20	100	3.8	45	5	0.006	0.014	47.6	8.6

Definitions

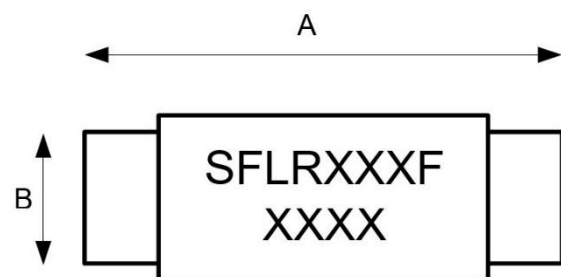
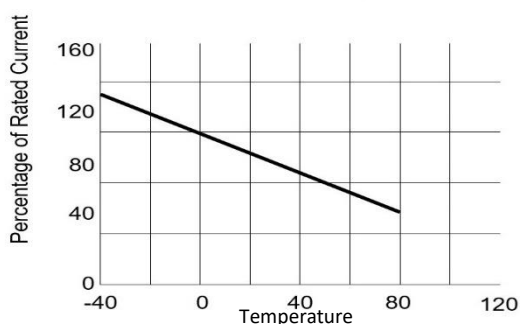
I_{hold} = Hold current, maximum current PTC will pass without tripping in 23°C still air.

I_{trip} = Trip current, minimum current at which the PTC will trip in still air at 23°C.

V_{max} = Maximum voltage PTC can withstand without damage at rated current (I_{max})

I_{max} = Maximum fault current PTC can withstand without damage at rated voltage (V_{max})

Thermal De-Rating Curve



Dimensions – see above table

CAUTION: Operating beyond the specified maximum ratings may result in device damage and cause possible arcing and flame.

For further information please contact us at sales@atcsemitec.co.uk