Axial Leaded PTC Resettable Fuse: FSL190F

1. Summary

- (a) RoHS Compliant (Lead Free) Product
- (b) Applications: Laptop Computer, Mobile phone battery packs, Rechargeable battery packs, Lithium cell and battery packs
- (c) Product Features: Low resistance, Solid state
- (d) Operation Current: 1.9A (e) Maximum Voltage: 6V
- (f) Temperature Range : -40°C to 85°C

2. Agency Recognition

UL: Pending C-UL: Pending TÜV: **Pending**

3. Electrical Characteristics (23°C)

.	Hold		Max. Time	Rated	Maximum	Typical	Resistance Tolerance			
Part Number	Current	Current	to Trip	Voltage	Current	Power	RMIN	RMAX	R1MAX	
- rtambor	IH,A	IT,A	at 5хIн, s	V MAX, Vdc	IMAX, A	Pd, W	Ω	Ω	Ω	

I_H=Hold current-maximum current at which the device will not trip at 23°C still air. I_T=Trip current-minimum current at which the device will always trip at 23°C still air. V_{MAX}=Maximum voltage device can withstand without damage at its rated current.

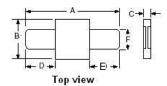
I MAX= Maximum fault current device can withstand without damage at rated voltage (V MAX). Pd=Maximum power dissipated from device when in tripped state in 23°C still air environment. RMM=Minimum device resistance at 23°C.

R1_{MAX}=Maximum device resistance at 23°C, 1 hour after tripping.

Physical specifications:

Lead material: 0.1 mm nominal thickness, quarter-hard nickel. Insulating material: Polyester tape.

4. Production Dimensions (millimeter)

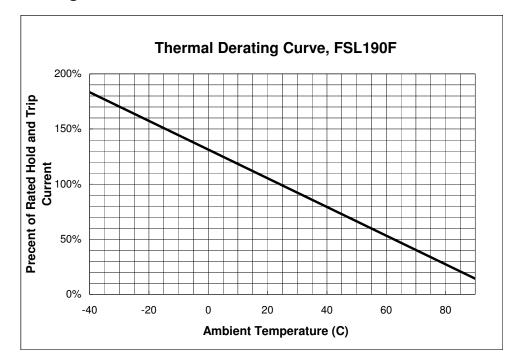


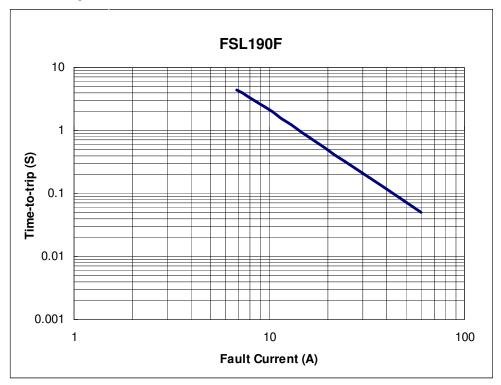
Part	,	4	В		С		D		E		F	
Number	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
FSL190F	9.20	10.80	3.15	3.45	0.55	0.95	2.15	3.25	2.15	3.25	2.20	2.40

NOTE: Specification subject to change without notice.

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5. Thermal Derating Curve





NOTE: Specification subject to change without notice.

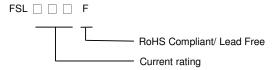
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7. Material Specification

Lead material: 0.1 mm nominal thickness, quarter-hard nickel Insulating material:Polyester tape

8. Part Numbering and Marking System

Part Numbering System



Warning: -Operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame.



- -PPTC device are intended for occasional overcurrent protection. Application for repeated overcurrent condition and/or prolonged trip are not anticipated.
- Avoid contact of PPTC device with chemical solvent. Prolonged contact will damage the device performance.

NOTE: Specification subject to change without notice.