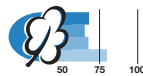
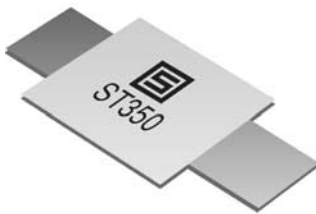


**Axial leaded  
PTC-Fuses  
Type PFST**

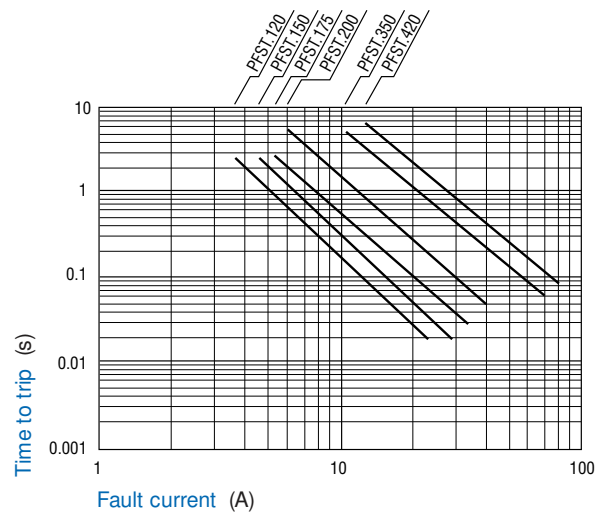
Fully compatible with current industry standards  
Weldable nickel terminals

Very low internal resistance  
Available in lead-free version

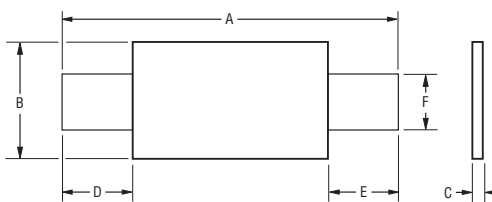
Agency recognition:  
UL, CSA, TÜV



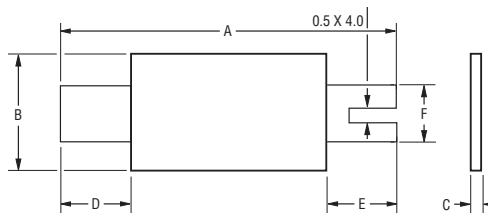
Typical Time to Trip at 23 °C



Standard Style



“S” Style



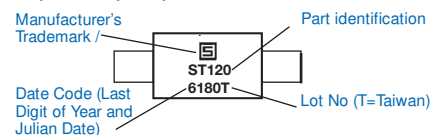
Terminal material: Quarter hard nickel

**Applications**

- Rechargeable battery pack protection
- Cellular phones

**Typical Part Marking**

Layout may vary



**Environmental Characteristics**

Operating/Storage Temperature	-40 °C to +85 °C	
Maximum Device Surface Temperature in Tripped State	125°C	
Passive Aging	+85 °C, 1000 hours	±5% typ. resist. change
Humidity Aging	+85 °C, 85% R.H. 1000 hours	±5% typ. resist. change
Thermal Shock	+85 °C/-40 °C 10 times	±10% typ. resist. change
Vibration	MIL-STD-883C, Method 2007.1, Condition A	No change

\*) MIL-STD-202F, Method 107G

**Test Procedures And Requirements For Model PFST Series**

Test	Test Conditions	Accept/Reject Criteria
Visual/Mech.	Verify dimensions and materials	Per PF physical description
Resistance	In still air @23 °C	$R_{min} \leq R \leq R_{max}$
Time to Trip	5 times $I_{hold}$ , $V_{max}$ , 23 °C	$T \leq \text{max. time to trip (sec.)}$
Hold Current	30 min. at $I_{hold}$	No trip
Trip Cycle Life	$V_{max}$ , $I_{max}$ , 100 cycles	No arcing or burning
Trip Endurance	$V_{max}$ , 48 hours	No arcing or burning

# FUSES

# PFST

## Resettable fuses

### Electrical Characteristics

Type	V <sub>max</sub> V	I <sub>max</sub> A	I <sub>hold</sub> Amperes at 23 °C	I <sub>trip</sub> Amperes at 23 °C	Initial Resistance		1 Hour (R1) Post-Trip Resistance		Max. Time to trip at 23 °C Seconds at 23 °C	Tripped Power Dissipation / Watts at 23 °C
					Ohms at 23 °C		Ohms at 23 °C			
					min.	max.	R <sub>1 max.</sub>			
PFST.120	15	100	1.20	2.7	0.085	0.160	0.22		5.0	1.2
PFST.120.S	15	100	1.20	2.7	0.085	0.160	0.22		5.0	1.2
PFST.150	15	100	1.50	3.00	0.05	0.09	0.11		5.0	1.30
PFST.175	15	100	1.75	3.8	0.05	0.09	0.120		4.0	1.5
PFST.175.S	15	100	1.75	3.8	0.05	0.09	0.120		4.0	1.5
PFST.200	30	100	2.00	4.4	0.03	0.06	0.080		4.0	1.90
PFST.350	30	100	3.50	6.3	0.017	0.031	0.040		3.0*	2.50
PFST.420	30	100	4.20	7.6	0.012	0.024	0.040		6.0*	2.90

### Packaging

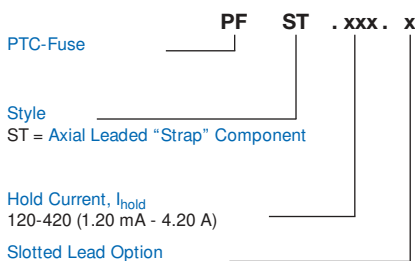
All models packaged in bulk, 500 pieces each.  
Packaged loose; optional slotted leads (.S) available for 1.20 A and 1.75 A ratings

### Dimensions

Type	A		B		C		D		F		Material
	min.	max.	min.	max.	min.	max.	mn.	max.	min.	max.	
PFST.120	19.9	22.1	4.9	5.2	0.6	1.0	5.5	7.5	3.9	4.1	nickel
PFST.120.S	19.9	22.1	4.9	5.2	0.6	1.0	5.5	7.5	3.9	4.1	nickel
PFST.150	20.9	23.1	10.2	11.8	0.6	1.0	4.1	5.5	4.8	5.5	nickel
PFST.175	20.9	23.1	4.9	5.2	0.6	1.0	4.1	5.5	3.9	4.1	nickel
PFST.175.S	20.9	23.1	4.9	5.2	0.6	1.0	4.1	5.5	3.9	4.1	nickel
PFST.200	21.3	23.4	10.2	11.0	0.5	1.1	5.0	7.6	4.8	5.4	nickel
PFST.350	28.4	31.8	13.0	13.5	0.5	1.1	6.3	8.9	6.0	6.6	nickel
PFST.420	30.6	32.4	13.0	13.5	0.5	1.1	5.0	7.5	6.0	6.7	nickel

### Dimension

### How To Order



### Thermal Derating Chart - I<sub>hold</sub> (Amps)

Type	Ambient Operating Temperature									
	-40 °C	-20 °C	0 °C	23 °C	40 °C	50 °C	60 °C	70 °C	85 °C	
PFST.120	1.9	1.7	1.5	1.2	1.0	0.9	0.8	0.7	0.5	
PFST.120.S	1.9	1.7	1.5	1.2	1.0	0.9	0.8	0.7	0.5	
PFST.150	2.2	2.0	1.8	1.5	1.3	1.1	1.0	0.9	0.7	
PFST.175	2.5	2.3	2.0	1.7	1.5	1.3	1.2	1.1	0.9	
PFST.175.S	2.5	2.3	2.0	1.7	1.5	1.3	1.2	1.1	0.9	
PFST.200	3.2	2.8	2.5	2.0	1.7	1.6	1.4	1.2	0.9	
PFST.350	5.4	4.8	4.3	3.5	3.0	2.8	2.5	2.2	1.7	
PFST.420	6.4	5.7	5.1	4.2	3.6	3.3	3.0	2.6	2.1	