Thermal Cutoff Fuses

USW-1 SERIES

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TEMPERATURE

Part No.	Tf	Cutoff Temperature	Th
USW-102T	72°C(161.6°F)	70°C+2°C-2°C	47°C(116.6°F)
USW-105T	77°C(170.6°F)	76°C+0°C-4°C	52°C(125.6°F)
USW-109T*	84°C(183.2°F)	84°C+0°C-4°C	57°C(134.6°F)
USW-104T	98°C(208.4°F)	96°C+2°C-2°C	73°C(163.4°F)
USW-108T*	100°C(212°F)	99°C+0°C-4°C	75°C(167°F)
USW-110T*	109°C(228.2°F)	109°C+0°C-4°C	84°C(183.2°F)
USW-111T	119°C(248.2°F)	119°C+0°C-4°C	94°C(201.2°F)
USW-115T	126°C(258.8°F)	126°C+0°C-4°C	100°C(212°F)
USW-129T	128°C(262.4°F)	128°C+0°C-4°C	103°C(217.4°F)
USW-114T	139°C(282.2°F)	139°C+0°C-4°C	114°C(237.2°F)
USW-138T	144°C(191.2°F)	144°C+0°C-4°C	119°C(246.2°F)
USW-116T	152°C(305..6°F)	152°C+0°C-4°C	127°C(260.6°F)
USW-120T	167°C(332.6°F)	167°C+0°C-4°C	144°C(291.2°F)
USW-118T	169°C(336.2°F)	169°C+0°C-4°C	144°C(291.2°F)
USW-127T	184°C(363.2°F)	184°C+0°C-5°C	159°C(318.2°F)
USW-122T	192°C(337.6°F)	188°C+3°C-3°C	162°C(323.6°F)
USW-125T	195°C(383°F)	195°C+0°C-5°C	165°C(329°F)
USW-139T	216°C(420.8°F)	216°C+0°C-6°C	178°C(352.4°F)
USW-128T	240°C(464°F)	240°C+0°C-6°C	193°C(379.4°F)

Most of the models have CUL,TUL and UL approval.UL File No: E126429
*Dual Ratings(UL approved) - 250V 10A and 125V 15A

ELECTRICAL

* RATED VOLTAGE : 250VAC and 125VAC
* RATED CURRENT : 10A at 250VAC and 15A at 125VAC
* INTERRUPTING CURRENT : 250VAC, 15A
* TRANSIENT OVERLOAD TEST CURRENT : dc current pulses, with an amplitude 150A and a duration of 3 ms with 10 s intervals, are applied for 100 successive cycles through the current path.

EXPLANATION OF RATINGS

A. RATED FUNCTIONING TEMPERATURE (TF,Tf)

The temperature at which a thermal cutoff changes its state of conductivity to open circuit with detection current as the only load. The tolerance according to UL 1020 is + 0, - 10°C.

B. HOLDING TEMPERATURE (TH, Tc)

The maximum temperature at which a thermal cutoff can be maintained while conducting rated current for 168 hours which will not cause a change in the state of conductivity to open circuit.

C. RATED CURRENT

The maximum current which the thermal cutoff is able to carry for a specified time at Tc without alteration of its Functioning Temperature.

D. INTERRUPTING CURRENT

The value of the current that the thermal cutoff is capable of interrupting safely at rated voltage and under specified circuit conditions.

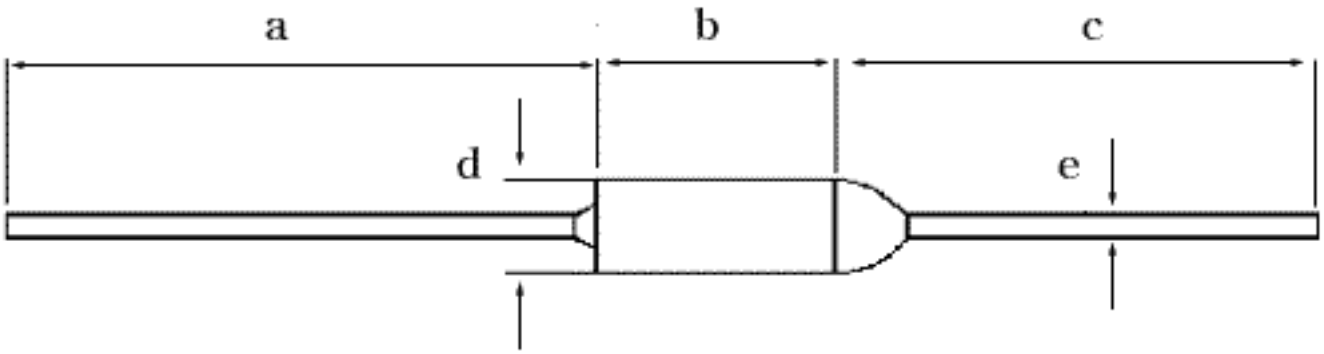
E. TRANSIENT OVERLOAD CURRENT

A direct current pulse train, which the thermal cutoff is able to withstand without impairing its characteristics.

F. RATED VOLTAGE

The voltage used to classify a thermal cutoff.

DIMENSIONS



Dimension(mm)	a	b	c	d	e
long	35.0 ±3.5	10.5 ±0.5	35 ±3.5	4.0 ±0.2	1.0(18AWG)
medium	35.0 ±3.5	10.5 ±0.5	25 ±3.5	4.0 ±0.2	1.0(18AWG)
short	35.0 ±3.5	10.5 ±0.5	18 ±2.5	4.0 ±0.2	1.0(18AWG)