

Radial Lead Resettable Polymer PTCs

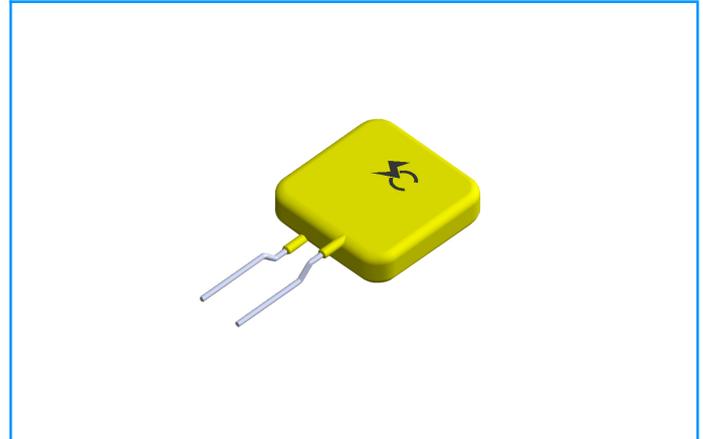
SC250-110SW0D

Features

- Radial leaded Devices
- Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements
- Bulk packaging, or tape and reel available on most models
- RoHS compliant and lead-free

Applications

- AC220V over-current protection
- Power ports
- Customer Premises Equipment(CPE)



Electrical Parameters

Part Number	I _{hold} (A)	I _{trip} (A)	V _{max} (V)	I _{max} (A)	P _{dtyp} (W)	Maximum Time To Trip		Resistance		
						Current (A)	Time (S)	R _{min} (Ω)	R _{max} (Ω)	R1 _{max} (Ω)
SC250-110SW0D	0.11	0.22	250	3	1.0	0.55	0.75	7	11	17

I_{hold} = Hold current: maximum current at which the device will not trip at 25°C still air.

I_{trip} = Trip current: minimum current at which the device will always at 25°C still air.

V_{max} = Maximum voltage device can withstand without damage at rated current.

I_{max} = Maximum fault current device can withstand without damage at rated voltage.

T_{trip} = Maximum time to trip(s) at assigned current.

P_{dtyp} = Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

R_{min} = Minimum device resistance at 25°C prior to tripping.

R_{max} = Maximum device resistance at 25°C prior to tripping.

R1_{max} = Maximum resistance of device at 25°C measured one hour after tripping.

Caution: Operation beyond the specified rating may result in damage and possible arcing and flame.

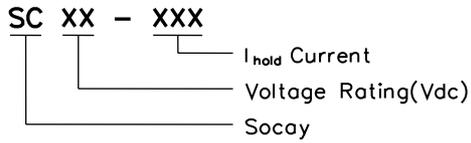
Thermal Derating Chart – I_{hold} (A)

Part Number	Maximum Ambient Operation Temperature								
	-40°C	-20°C	0°C	23°C	40°C	50°C	60°C	70°C	85°C
	Percentage Reduction								
SC250-110SW0D	145%	130%	120%	100%	88%	80%	71%	66%	56%

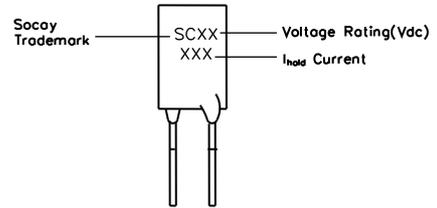
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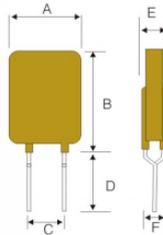
Part Numbering



Part Marking



Dimensions



Part Number	Dimensions (mm)						Lead Material
	A (Max)	B (Max)	C (Typ)	D (Min)	E (Max)	F (Typ)	Tinned Metal (mm)
SC250-110SW0D	7.0	11.5	5.1	7.6	3.8	—	22 AWG/Φ0.6