

Radial Lead Resettable Polymer PTCs

SC250-2000SZ0D

Features

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

Applications

- u AC220V over-current protection
- u Power ports
- u 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)	R _{1max} (Ω)
SC250-2000SZ0D	2.00	4.00	220	5.0	5.0	10.0	15.0	0.135	0.27	0.45

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.

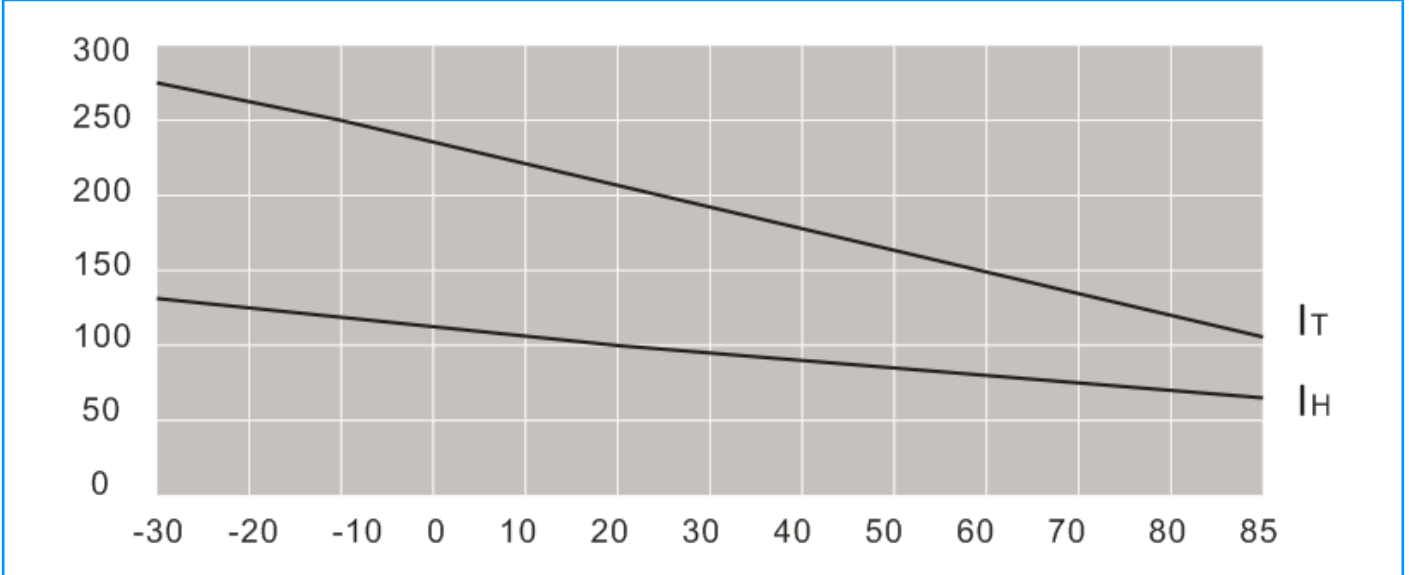
R_{1max}= Maximum resistance of device at 25° C measured one hour after tripping.

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

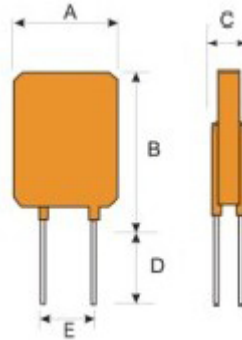
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Temperature Derating Curve



Dimensions



Part Number	A	B	C	D	E	Lead
	Max.	Max.	Max.	Min.	Typ.	Φ
SC250-2000SZ0D	26.0	33.5	4.6	7.6	10.2	0.80

Packaging Quantity

Part Number	Quantity (pcs/reel)
SC250-2000SZ0D	100