

Radial Lead Resettable Polymer PTCs

SC250-1000CZ0D

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)
SC250-1000CZ0D	1.00	2.00	220	10	4.0	5.0	10.0	0.28	0.45	0.70

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.

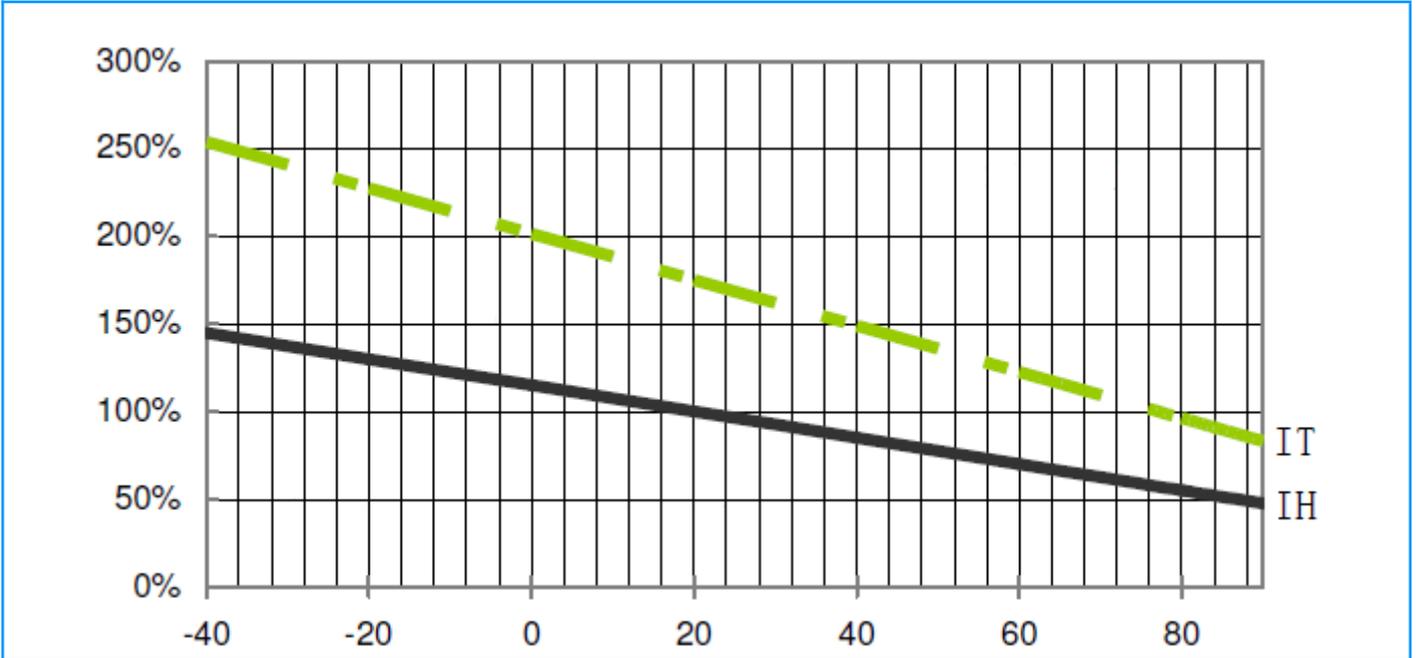
$R1_{max}$ = Maximum resistance of device at 25° C measured one hour after tripping.

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

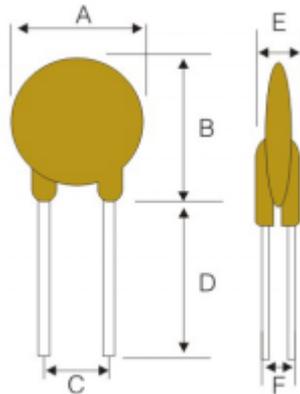
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Temperature Derating Curve



Dimensions



Part Number	A	B	C	D	E	F	Lead
	Max.	Max.	Typ.	Min.	Max.	Typ.	Φ
SC250-1000CZ0D	14.0	19.1	5.1	7.6	3.5	1.5	0.80

Packaging Quantity

Part Number	Quantity (pcs/reel)
SC250-1000CZ0D	200