SOCAY

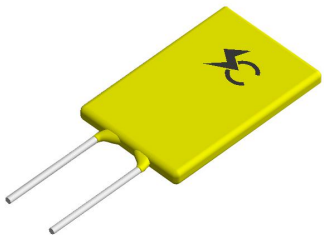
HF RoHS

Radial Lead Resettable Polymer PTCs

SC16-400SZ0D

Features

- RoHS Compliant and Halogen-Free
- Radial leaded Devices
- Cured,flame retardant epoxy polymer insulating material meets UL94V-0 requirements
- Operation Current: 4.00A, Maximum Voltage: 16Vdc, Operating Temperature: -40℃ to +85℃



Applications

- Computers and peripherals
- Power ports
- General electronics

Electrical Parameters

Part Number	I_{hold} (A)	I_{trip} (A)	V_{max} (Vdc)	I_{max} (A)	P_{dtyp} (W)	Maximum Time To Trip		Resistance		
						Current (A)	Time (S)	R_{min} (mΩ)	R_{max} (mΩ)	$R1_{max}$ (mΩ)
SC16-400SZ0D	4.00	8.0	16	40	2.4	20	3.5	21	40	80

I_{hold}= Hold current: maximum current at which the device will not trip at 25℃ still air.
I_{trip}= Trip current: minimum current at which the device will always at 25℃ 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℃ prior to tripping.
R_{max}= Maximum device resistance at 25℃ prior to tripping.
$R1_{max}$= Maximum resistance of device at 25℃ 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℃	-20℃	0℃	23℃	30℃	40℃	50℃	60℃	70℃	85℃
	Percentage Reduction									
SC16-400SZ0D	145%	130%	120%	100%	95%	88%	80%	71%	66%	56%

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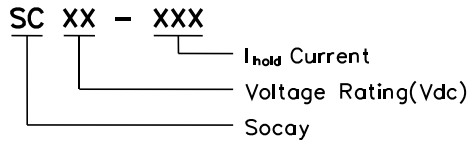
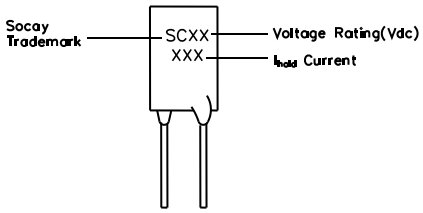
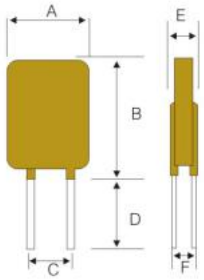
Part Numbering



Part Marking



Dimensions



Part Number	Dimensions (mm)						Lead Material
	A (Max)	B (Max)	C (Typ)	D (Min)	E(Max)	F(Typ)	Tinned Metal (mm)
SC16-400SZ0D	8.9	12.8	5.1	7.6	3.0	1.2	20 AWG/Φ0.8