

FEATURE

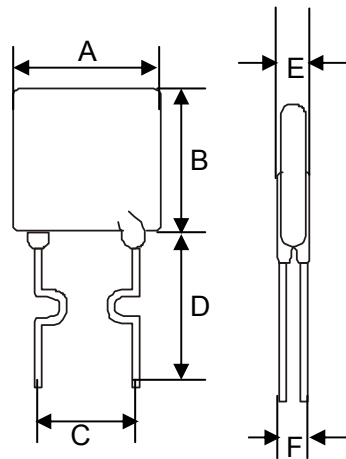
- Radial leaded devices.
- Faster tripping, typical application in micro-motors for automobiles.
- Protecting against over-current and over-temperature faults.
- Available in lead-free version.



APPLICATIONS

- Computers & peripherals
- Any USB application
- General Electronics

PACKAGE DIMENSIONS



Part Number	A(max)	B(max)	C(max)	D(min)	E(max)	F(typ)
SB16-300	9.0	12.0	5.10	7.6	3.0	0.8

ELECTRICAL CHARACTERISTICS

Part Number	V _{max} (V)	I _{max} (A)	I _h (A)	R _{max} (Ω)	R _{min} (Ω)	P _d (W)
SB16-300	16	100	3.0	0.060	0.020	2.3

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.

I_h=Hold current: maximum current at which the device will not trip at 25 still air.

R_{MAX}=Maximum device resistance at 25 prior to tripping.

R_{MIN}=Minimum device resistance at 25 prior to tripping.

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

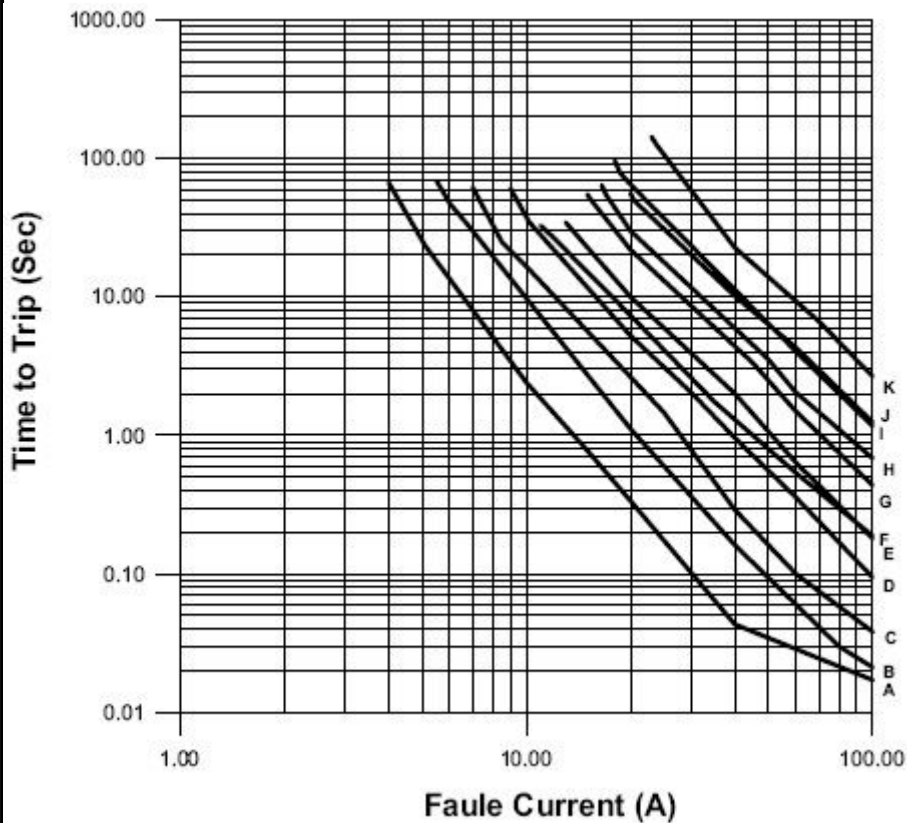
THERMAL DERATING CHART - $I_H(A)$

Part Number	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
SB16-300	3.96	3.60	3.00	2.64	2.40	2.13	1.83	1.56

TEST PROCEDURES AND REQUIREMENT

Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @25°C	$R_{min} \leq R \leq R_{max}$
Time to Trip	5times, I_{hold} , V_{max} , 25°C	$T \leq \max.$ Time to trip(seconds)
Hold Current	1H, AT I_{hold} , 25°C	No trip
Trip Cycle Life	V_{max} , I_{max} , 100 cycles	No arcing or burning
Trip Endurance	V_{max} , 48hours	No arcing or burning

TYPICAL TIME-TO-TRIP CHARTS @ 25°C

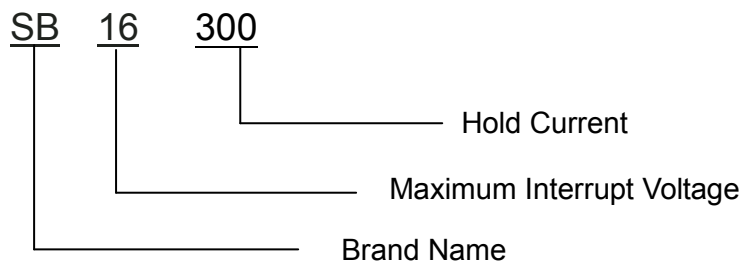


- A = SB 16-300
- B = SB 16-400
- C = SB 16-500
- D = SB 16-600
- E = SB 16-700
- F = SB 16-800
- G = SB 16-900
- H = SB 16-1000
- I = SB 16-1100
- J = SB 16-1200
- K = SB 16-1400

STORAGE RECOMMENDATIONS

- Storage Temperature : -10 °C ~+40 °C
- Relative Humidity :80%RH
- Keep away from corrosive atmosphere and sunlight.
- Period of Storage: 1 year

ORDERING INFORMATION



PACKAGING

Part Number	Quantity
SB 16-300	1000