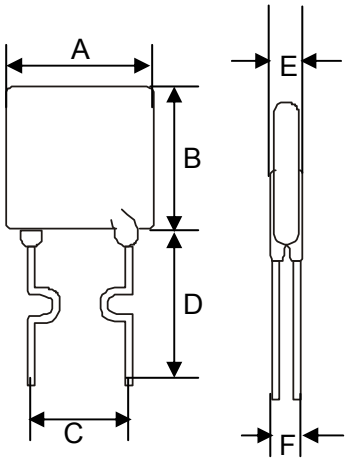
FEATURE

- 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	Vmax (V)	Imax (A)	Ih (A)	Rmax (Ω)	Rmin (Ω)	Pd(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.
Pd_{typ}=Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

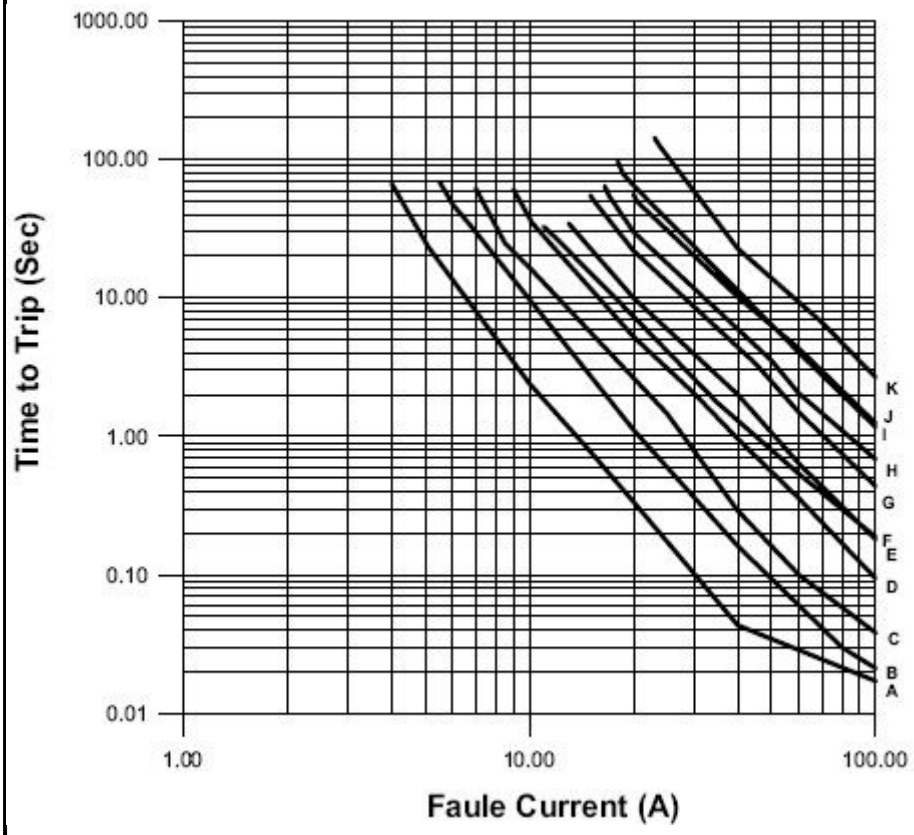
THERMAL DERATING CHART - I_H(A)

Part Number	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
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℃	$R_{min} \le R \le R_{max}$
Time to Trip	5times,I hold,V_{max},25℃	T≤max. Time to trip(seconds)
Hold Current	1H,AT I hold, 25℃	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℃

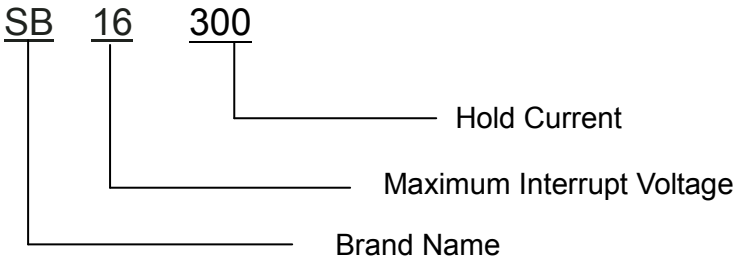


A = SB 16-300
B = SB 16-400
C = SB 16-500
D = SB 16-600
E = SB 16-700
F = SB 16-800
G = SB 16-900
H = SB 16-1000
I = SB 16-1100
J = SB 16-1200
K = SB 16-1400

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

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