Type RS60SB Resettable Fuse (PTC's) Radial Leaded

Application:

Wide variety of electronic equipment **Product Features:** Low hold current, Solid State Radial-leaded product ideal for up to 60V **Operation Current:** 500mA~5.00A **Maximum Voltage:** 60V **Temperature Range:** -40°C to 85°C



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Agency Standards and Listings:



For RS60SB-050 ~ RS60SB-065 RS60SB-090 ~ RS60SB-375

And **And**

for RS60SB-075

Resistance Hold Trip Max. Time Maximum Rated Typical Part Number Tolerance Current Current To Trip Current Voltage Power **R**MIN R1max I_H, A I_T, A I, A Time(sec) V_{MAX}, V Pd, W Ω Ω I_{MAX}, A **RS60SB-050** 0.50 1.00 8.00 40 1.00 0.320 0.900 0.8 60 **RS60SB-065** 1.30 8.00 1.0 40 1.25 0.250 0.720 0.65 60 **RS60SB-075** 0.75 1.50 8.00 1.5 40 60 0.200 0.640 1.40 2.0 40 0.190 0.520 **RS60SB-090** 0.90 1.80 8.00 60 1.50 2.20**RS60SB-110** 1.10 8.00 3.0 40 60 2.20 0.170 0.470 **RS60SB-135** 1.35 2.70 8.00 4.5 40 60 2.300.110 0.370 1.60 3.20 8.20 9.0 40 2.40 0.100 0.320 **RS60SB-160** 60 3.70 9.25 40 60 0.250 **RS60SB-185** 1.85 12.6 2.600.060 **RS60SB-250** 2.50 5.00 12.50 15.6 40 60 2.80 0.040 0.140 **RS60SB-300** 3.00 6.00 15.00 19.8 40 60 3.20 0.030 0.080 **RS60SB-375** 3.75 7.50 18.75 22.0 40 60 3.40 0.017 0.060 **RS60SB-400** 4.00 20.00 24.0 3.70 0.014 0.060 8.00 40 60 **RS60SB-500** 5.00 10.00 25.00 28.0 40 60 5.00 0.012 0.050

Electrical Characteristics (20°C)

 $I_H = Hold Current - Maximum current at which the device will not trip at 20°C still air.$

 $I_T = Trip Current - Minimum current at which the device will always trip at 20°C still air.$

 V_{MAX} = Maximum voltage device can withstand without damage at it's rated current.

 I_{MAX} = Maximum fault current device can withstand without damage at rated voltage (V max).

Pd = Typical power dissipated from device when in the tripped state in 20°C still air environment.

 $\mathbf{R}_{\mathbf{MIN}}$ = Minimum device resistance at 20°C.

 $R1_{MAX}$ = Maximum device resistance at 20°C, 1 hour after tripping.

Physical Specifications:

Lead Material: Tin plated copper, 24 AWG, 20 AWG. Soldering Characteristics: MIL-STD-202, Method 208E. Insulating Coating: Flame retardant epoxy, meet UL-94V-0 requirement.

Note: All specifications subject to change without notice.

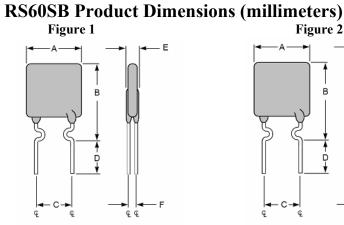
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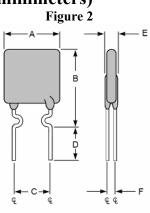


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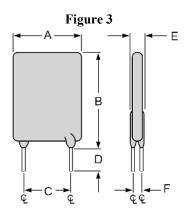
(800) 621-0326



RS60SB-050 ~ RS60SB-090 Lead Size: 24AWG, 0.51 mm Diameter



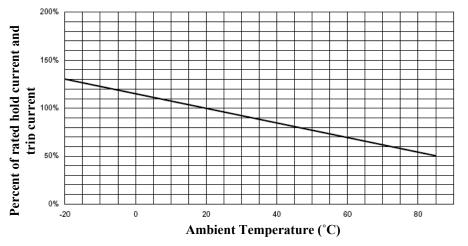
RS60SB-110 Lead Size: 20AWG, 0.81 mm Diameter



RS60SB-135~RS60SB-500 Lead Size: 20AWG, 0.81 mm Diameter

Part Number	Figure	Α	В	С	D	Е	F
		Maximum	Maximum	Typical	Minimum	Maximum	Typical
RS60SB-050	1	7.10	11.43	5.1	7.6	3.56	1.1
RS60SB-065	1	7.11	12.20	5.1	7.6	3.56	1.1
RS60SB-075	1	7.87	12.20	5.1	7.6	3.56	1.1
RS60SB-090	1	7.87	13.97	5.1	7.6	3.56	1.1
RS60SB-110	2	7.60	14.50	5.1	7.6	4.10	1.1
RS60SB-135	3	10.20	17.00	5.1	7.6	3.81	1.4
RS60SB-160	3	12.20	18.30	5.1	7.6	3.81	1.4
RS60SB-185	3	13.00	18.80	5.1	7.6	3.81	1.4
RS60SB-250	3	14.00	20.60	5.1	7.6	3.00	1.4
RS60SB-300	3	16.50	21.20	5.1	7.6	3.00	1.4
RS60SB-375	3	16.50	25.20	10.2	7.6	3.00	1.4
RS60SB-400	3	21.00	24.90	10.2	7.6	3.00	1.4
RS60SB-500	3	24.10	29.00	10.2	7.6	3.00	1.4

Thermal Derating Curve – Type RS60SB

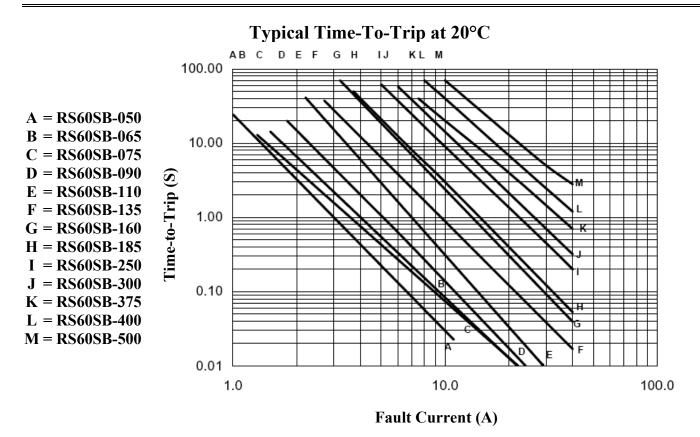


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Part Number	Pcs/Bag	Reel/Tape
RS60SB-050	500	3K
RS60SB-065	300	3K
RS60SB-075	300	3K
RS60SB-090	300	1.5K
RS60SB-110	300	1.5K
RS60SB-135	200	1.5K
RS60SB-160	200	1.5K

Part Number	Pcs/Bag	Reel/Tape
RS60SB-185	200	1.5K
RS60SB-250	100	1K
RS60SB-300	100	1K
RS60SB-375	100	1K
RS60SB-400	100	1K
RS60SB-500	100	1K



-Operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame. -PPTC device are intended for occasional overcurrent protection. Application for repeated overcurrent condition and/or prolonged trip are not anticipated.

-Avoid contact of PPTC device with chemical solvent. Prolonged contact will damage the device performance.