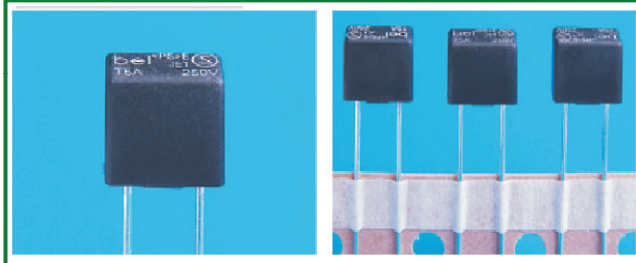


Type RST

Time Lag Radial Lead Micro Fuse Series

RoHS 6 Compliant



Description

Sub-miniature, time lag type, 250V rated fuses designed, approved and complied with IEC 60127-3, standard sheet 4.

Electrical Characteristics (IEC-127-3 STANDARD SHEET 4)

Rated Current	1.5 In		2.1 In		2.75 In		4 In		10 In	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
80mA to 6.3A inclusive	1 hr.	2 min.	400 ms	10 sec	150 ms	3 sec	20 ms	150 ms		

In clause 9.2, the test voltage for RST ratings from 80mA to 6.3A is 64VDC.

Safety Agency Approvals

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	AMPERE RANGE / VOLT @ I.R.ABILITY
	811114	80mA - 5A / 250V AC @ 35A or 10 In whichever is greater
	40011144;40028321	80mA - 6.3A / 250V AC @ 35A or 10 In whichever is greater
	E20624	80mA - 6.3A / 277V AC @100A
	JET 1037-31007-1001	1A - 5A / 250V AC @100A
	2004010207111444	80mA - 5A / 250V AC @ 35A or 10 In whichever is greater
		80mA - 6.3A / 277V AC @100A

Specifications Subject to change without notice.

Features

- Time lag (250V AC)
- Meet IEC standard 60127-3, Sheet 4
- Wide operating temperature range
- Bulk and Tape & Reel packing available
- RoHS6 compliant
- Halogen Free
- Leadfree

Applications

Provide individual protection for components or internal circuits.

- Power Supplies
- Battery chargers
- Consumer Electronics
- Adapter
- Industrial Controllers

LEAD FREE =

HALOGEN FREE =

Type RST

Time Lag Radial Lead Micro Fuse Series

RoHS 6 Compliant



RST May2012D

Electrical Specifications

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% In (Volt) Max.	Voltage Rating (V)	Interrupting Rating	Melting I2T <10 m Sec (A2 Sec)	Melting I2T @ 10 In (A2 Sec)	Maximum Power Dissipation (W)	Agency Approvals					
									UL	S	D'E	PS E	CCC	CE
RST 80	80mA	3.5	0.398	250	80mA - 6.3A / 250V AC @ 35A or 10 In whichever is greater	0.01	0.01	0.10	Y	Y	Y		Y	Y
RST 100	100mA	2.3	0.329	250		0.02	0.02	0.11	Y	Y	Y		Y	Y
RST 125	125mA	1.6	0.295	250		0.04	0.04	0.13	Y	Y	Y		Y	Y
RST 160	160mA	1.1	0.252	250		0.07	0.06	0.15	Y	Y	Y		Y	Y
RST 200	200mA	0.73	0.200	250		0.12	0.11	0.17	Y	Y	Y		Y	Y
RST 250	250mA	0.55	0.188	250		0.38	0.41	0.19	Y	Y	Y		Y	Y
RST 315	315mA	0.36	0.152	250		0.6	0.66	0.22	Y	Y	Y		Y	Y
RST 400	400mA	0.25	0.129	250		0.9	1.0	0.25	Y	Y	Y		Y	Y
RST 500	500mA	0.18	0.114	250		1.5	1.7	0.29	Y	Y	Y		Y	Y
RST 630	630mA	0.13	0.109	250		2.4	2.6	0.33	Y	Y	Y		Y	Y
RST 800	800mA	0.095	0.103	250		3.7	4.2	0.38	Y	Y	Y		Y	Y
RST 1	1A	0.070	0.090	250		6	7	0.44	Y	Y	Y	Y	Y	Y
RST 1.25	1.25A	0.053	0.087	250		9	11	0.51	Y	Y	Y	Y	Y	Y
RST 1.6	1.6A	0.038	0.085	250		15	17	0.58	Y	Y	Y	Y	Y	Y
RST 2	2A	0.029	0.084	250		23	27	0.67	Y	Y	Y	Y	Y	Y
RST 2.5	2.5A	0.022	0.084	250		37	43	0.77	Y	Y	Y	Y	Y	Y
RST 3.15	3.15A	0.017	0.074	250		58	69	0.88	Y	Y	Y	Y	Y	Y
RST 4	4A	0.013	0.073	250		92	110	1.02	Y	Y	Y	Y	Y	Y
RST 5	5A	0.010	0.073	250		145	175	1.17	Y	Y	Y	Y	Y	Y
RST 6.3	6.3A	0.008	0.072	250		230	281	1.34	Y		Y		Y	Y

Consult manufacturer for other ratings

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Type RST

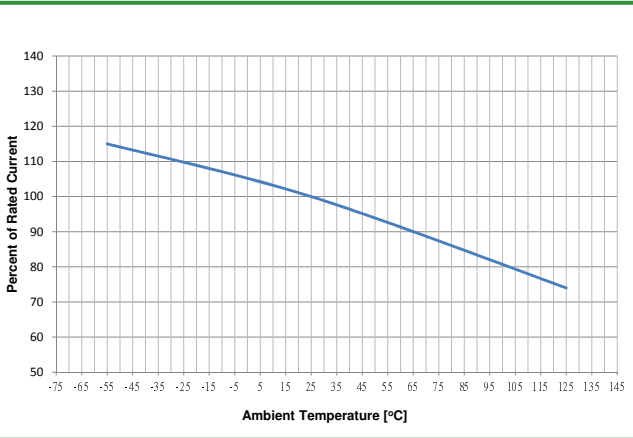
Time Lag Radial Lead Fuse Series

RoHS 6 Compliant

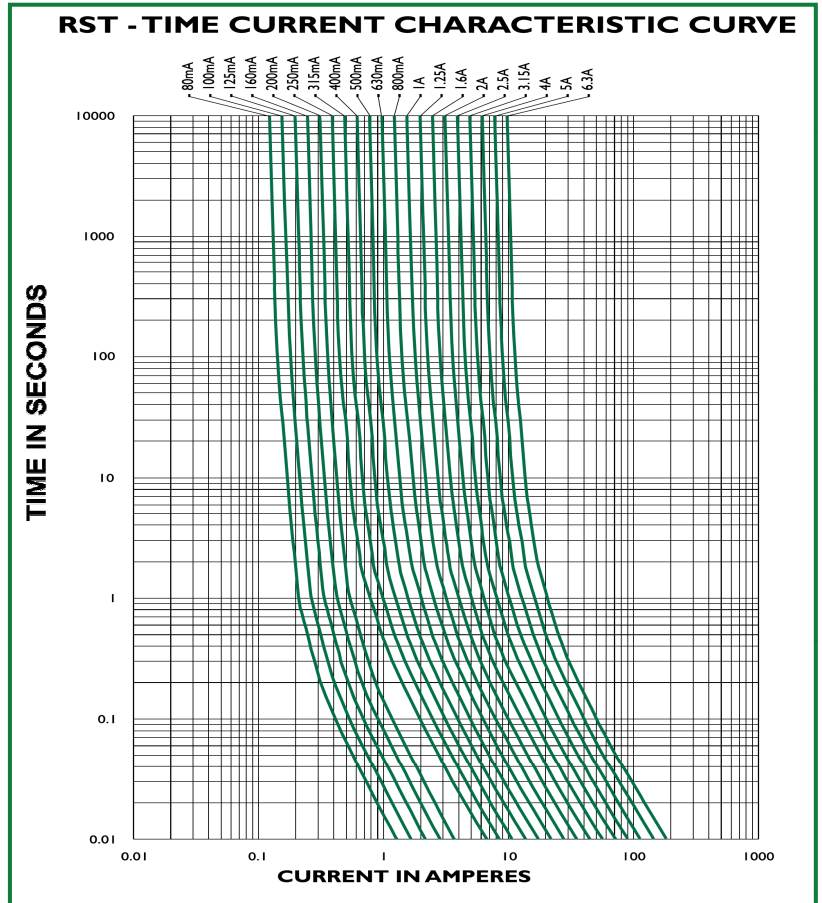


RST May2012C

Temperature Derating Curve

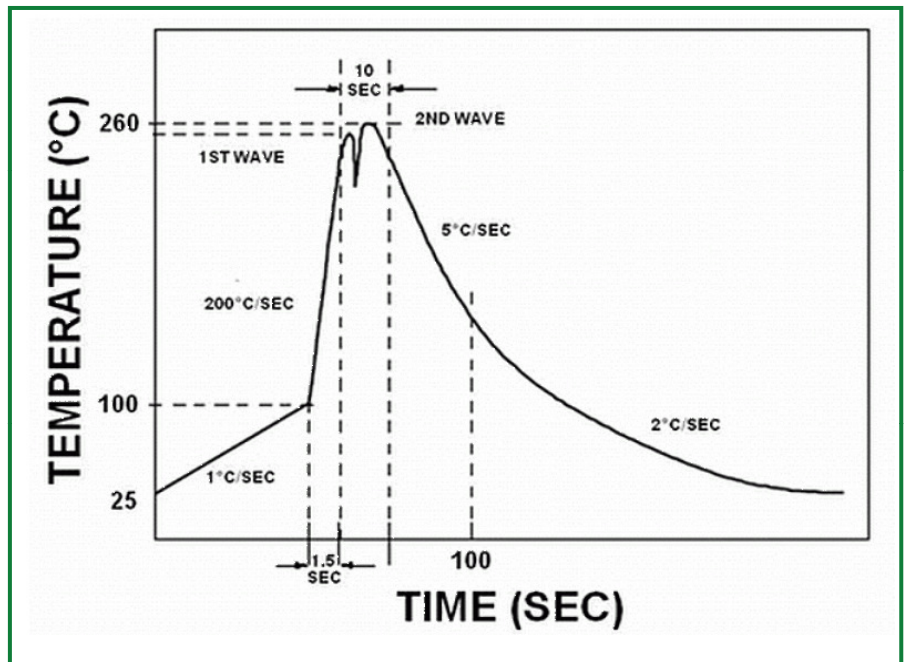


Average Time Current Curve



Soldering Parameters

Lead-free Wave Soldering Profile	
Wave Soldering Parameter	
Average ramp-up rate	200°C / second
Heating rate during preheat	typical 1 - 2 °C / second Max. 4°C / second
Final preheat temperature	within 125°C of soldering temperature
Peak temperature T _p	260°C
Time within +0 °C / -5°C of actual peak temperature	10 seconds
Ramp-down rate	5 °C / second max.



Type RST
Time Lag Radial Lead Micro Fuse Series



Physical Specifications

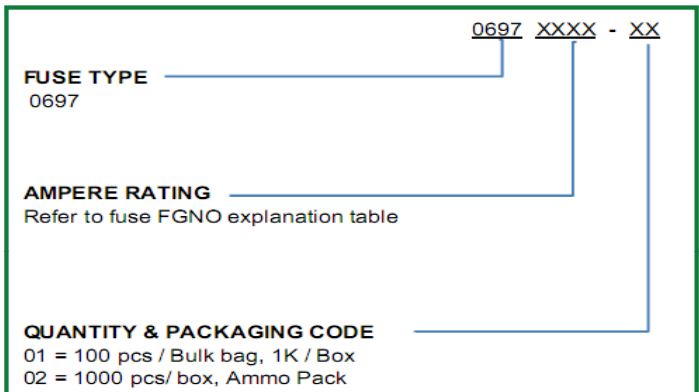
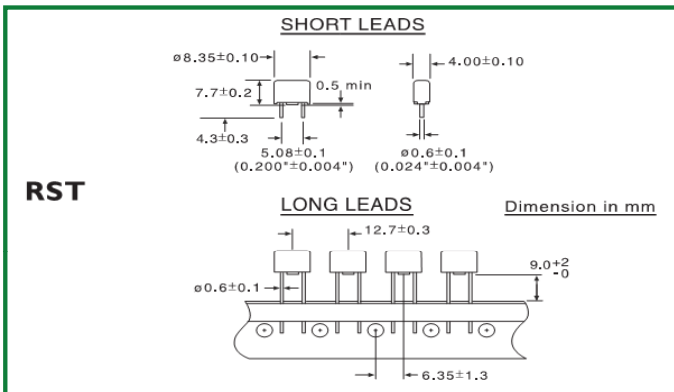
Materials	Base and Cover : Black thermoplastic, UL 94-V0
	Pins: 100% Matte Tin Plated Copper Alloy
Marking	On Fuse:
	"bel" , "T" , "Current Rating" , "250V" , & "Appropriate Safety Logos"
	On label:
	"bel" , "MRT" , "Current Rating" , "Voltage Rating" , "Interrupting Rating" , "Appropriate Safety Logos" and "M", "e" (China RoHS compliant).

Environmental Specifications

Shock Resistance	MIL-STD-202G, Method 213B, Test Condition I (100 G's peak for 6 milliseconds; Sawtooth Waveform)
Vibration Resistance	MIL-STD-202G, Method 201A (10-55 Hz X 3 axis / no load).
Salt Spray Resistance	MIL-STD-202G, Method 101E, Test condition B (48 hrs).
Solderability	MIL-STD-202G, Method 208H
Resistance to solder Heat	MIL-STD-202G Method 210F, Test Condition C. Top Side, (260 °C, 20 sec)
Moisture Resistance	MIL-STD-202G, Method 202G, Method 106G
Operating Temperature	-55 °C to +125 °C

Mechanical Dimensions

Ordering Information



Specifications subject to change without notice.

Packaging

Packaging Option	Packaging Specification	Quantity	Packaging Code
Bulk / bag, 1K / box	N/A	100	01
12.7 mm pitch, On Tape / box	EIA-468-C	1000	02

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