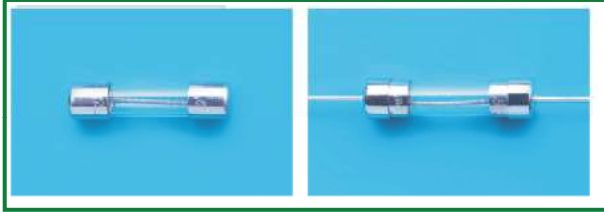


Type 5VT / 5VTP

Time-lag Fuse Series (High Surge-proof, Low Breaking Capacity)

5 x 20mm Glass Tube
RoHS 6 Compliant

HF  5VT / 5VTP Series, 5 x 20mm Time-lag Fuse



Description

5x20mm Time lag fuse, high surge-proof, low breaking capacity, glass tube body cartridge fuse designed, approved and complied with IEC 60127-2, standard sheet 3.

Electrical Characteristics (IEC-127-2 STANDARD SHEET 3)

Rated Current	1.5 I _n		2.1 I _n		2.75 I _n		4 I _n		10 I _n	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
1A to 6.3A	1	2	600	10	150	3	20	300		
	hr.	min.	ms	sec	ms	sec	ms	ms		

In clause 9.2, the test voltage for 5VTP ratings from 1A to 6.3A is 63VDC.


Features

- Meet IEC standard 60127-2, Sheet 3
- 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 charger
- Monitor
- Adapter

LEAD FREE = 

HALOGEN FREE = 

Safety Agency Approvals

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	AMPERE RANGE / VOLT @ I.R.ABILITY
	800915	1A - 6.3A / 250V AC @35A or 10 In whichever is greater
	40007745	
	E20624	
		
	LR39772	
	2003010207030341	

Specifications subject to change without notice

Type 5VT / 5VTP

Time-lag Fuse Series (High Surge-proof, Low Breaking Capacity)

5 x 20mm Glass Tube
RoHS 6 Compliant



5VT 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	SP	CCC	S	DVE	CE
5VT (P) 1-R	1A	0.111	0.15	250	1-6.3A/ 250V AC @35A or 10 In whichever is greater	28	29	0.42	Y	Y	Y	Y	Y	Y
5VT (P) 1.25-R	1.25A	0.073	0.13	250		42	43	0.42	Y	Y	Y	Y	Y	Y
5VT (P) 1.6-R	1.6A	0.058	0.13	250		62	64	0.51	Y	Y	Y	Y	Y	Y
5VT (P) 2-R	2A	0.039	0.12	250		92	95	0.61	Y	Y	Y	Y	Y	Y
5VT (P) 2.5-R	2.5A	0.031	0.12	250		137	142	0.74	Y	Y	Y	Y	Y	Y
5VT (P) 3.15-R	3.15A	0.023	0.10	250		203	211	0.90	Y	Y	Y	Y	Y	Y
5VT (P) 4-R	4A	0.017	0.10	250		300	313	1.08	Y	Y	Y	Y	Y	Y
5VT (P) 5-R	5A	0.012	0.09	250		444	465	1.31	Y	Y	Y	Y	Y	Y
5VT (P) 6.3-R	6.3A	0.010	0.09	250		658	691	1.58	Y	Y	Y	Y	Y	Y

Consult manufacturer for other ratings

CORPORATE OFFICE

Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302
Tel 201-432-0463
Fax 201-432-9542
E-Mail: belfuse@belf.com
Website: www.belfuse.com

FAR EAST OFFICE

Bel Fuse Ltd.
8/F Luk Hop Industrial Building
8 Luk Hop Street
San Po Kong
Kowloon, Hong Kong
Tel 852-2328-5515
Fax 852-2352-3706

EUROPE OFFICE

Bel Fuse Europe Ltd.
Preston Technology Management Centre
Marsh Lane, Suite F15
Preston, Lancashire, PR1 8UQ
United Kingdom
Tel 44-1772-556601
Fax 44-1772-561008

EUROPE

Bel Stewart GmbH
Industriestrasse 20
61381 Friedrichsdorf
Germany
Tel 49-6172-9552-0
Fax 49-6172-9552-40

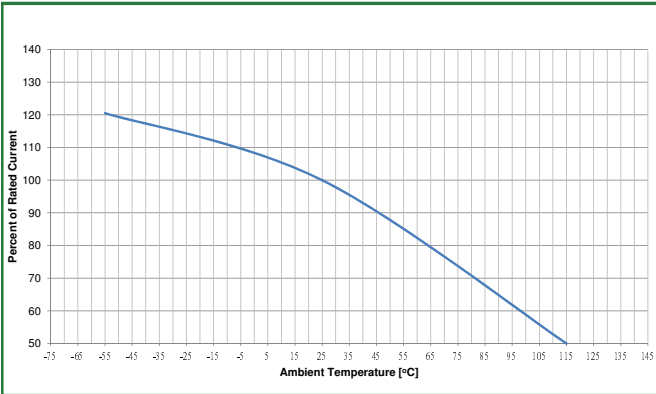
Type 5VT / 5VTP
Time-lag Fuse Series (High Surge-proof, Low Breaking Capacity)

5 x 20mm Glass Tube
 RoHS 6 Compliant
 HF Pb

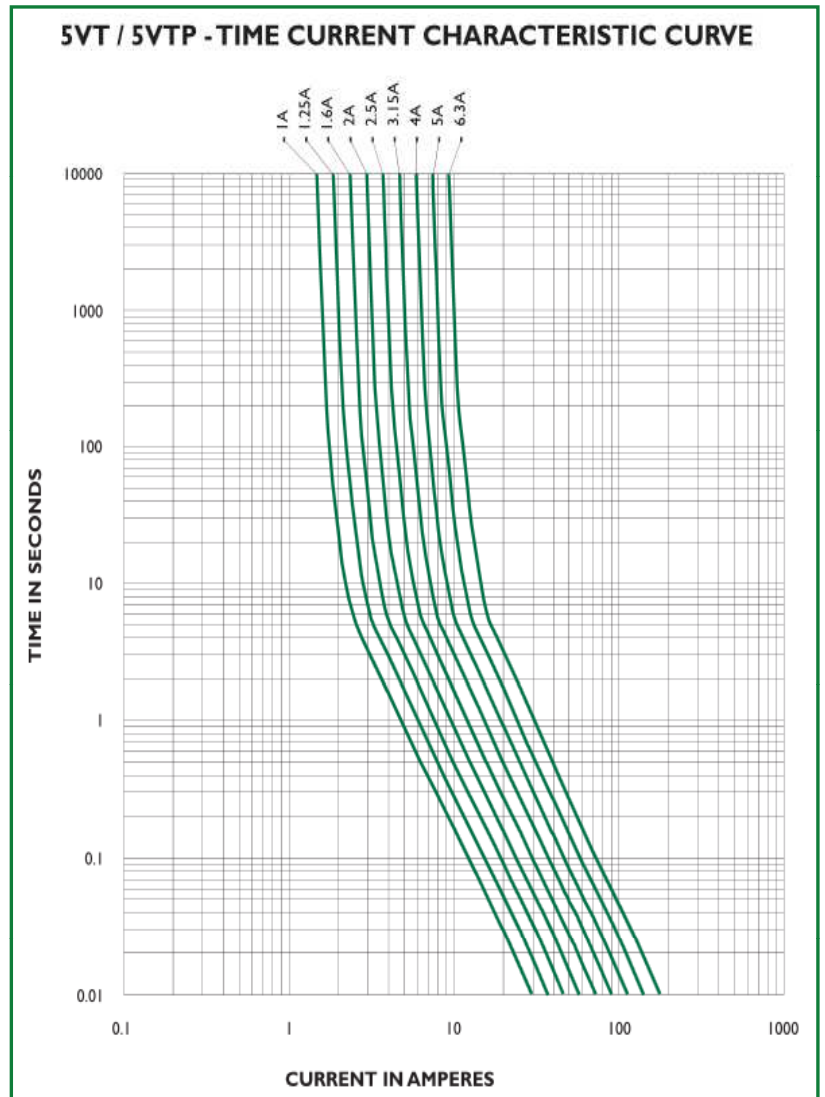


5VT May2012C

Temperature Derating Curve

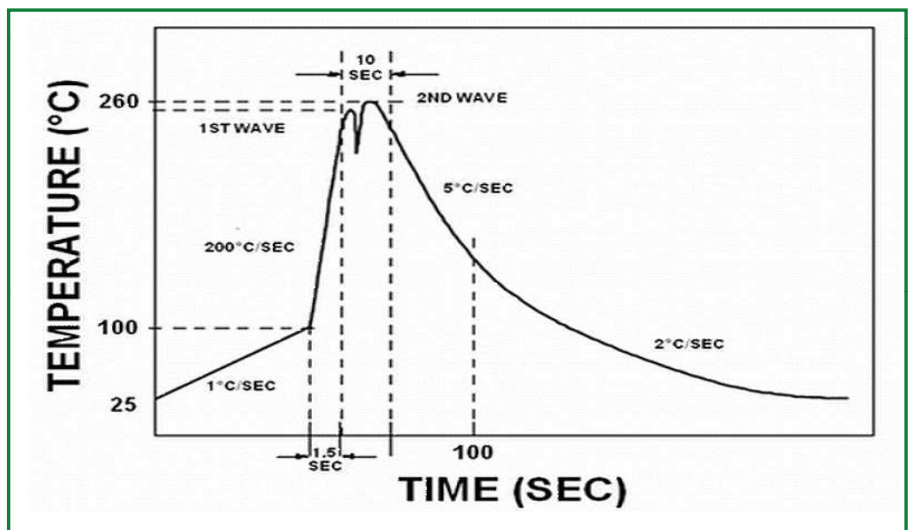


Average Time Current Curve



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 5VT / 5VTP

Time-lag Fuse Series (High Surge-proof, Low Breaking Capacity)

5 x 20mm Glass Tube
RoHS 6 Compliant



5VT May2012D

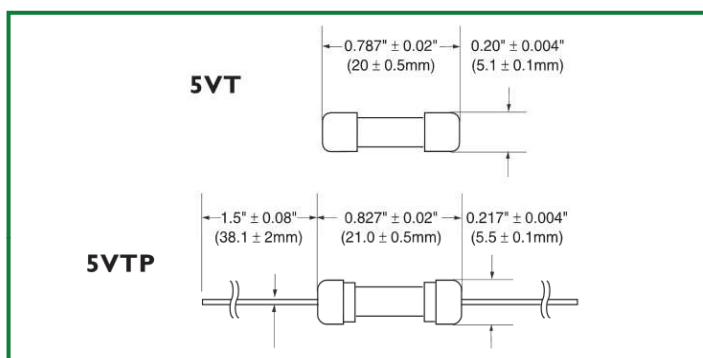
Physical Specifications

Materials	Body : Glass
	Cap : Nickel Plated Brass Caps
	Leads: Matte Tin Plated Copper
Marking	On Fuse:
	"bel" , "T" , " Current Rating", "L" , "250V",
	"Appropriate Safety Logos", " (RoHS 6 compliant)
	On label:
	"bel" , "5VT", or "5VTP", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and " (China RoHS compliant).

Environmental Specifications

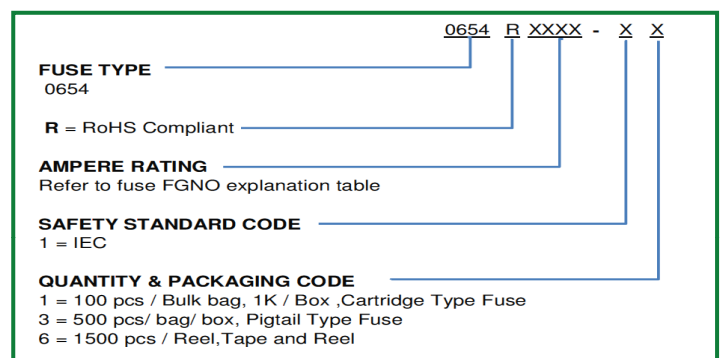
Shock Resistance	MIL-STD-202G, Method 213B, Test Condition I (100 G's peak for 6 milliseconds; Sawtooth Waveform)
Vibration Resistance	MIL-STD-202G, Method 201A (10-55 Hz, 0.06 inch, total excursion).
Salt Spray Resistance	MIL-STD-202G, Method 101E, Test condition B (48 hrs).
Insulation Resistance	MIL-STD-202G, Method 302, Test Condition B (After Opening) 100,000 ohms minimum.
Solderability	MIL-STD-202G, Method 208H
Resistance to solder Heat	MIL-STD-202G Method 210F, Test Condition B. (260+/-5 °C, 10+/-1 sec)
Thermal Shock	MIL-STD-202G, Method 107G, Test Condition B (-65 °C to +125 °C).
Operating Temperature	-55 °C to +125 °C
Terminal Strength	IEC-68-2-21

Mechanical Dimensions



* Ratings 6.3A and less have 0.032" diameter lead;

Ordering Information



Specifications subject to change without notice

Packaging

Packaging Option	Packaging Specification	Quantity	Packaging Code	Inside Tape Spacing
Bulk	N/A	100	11	N/A
Bulk (Pigtail Type)	N/A	500	13	N/A
Tape & Reel, 10 mm Pitch	EIA-296-F	1500	16	63

CORPORATE OFFICE

Bel Fuse Inc.

206 Van Vorst Street
Jersey City, NJ 07302
Tel 201-432-0463
Fax 201-432-9542
E-Mail: belfuse@belf.com
Website: www.belfuse.com

FAR EAST OFFICE

Bel Fuse Ltd.

8/F Luk Hop Industrial Building
8 Luk Hop Street
San Po Kong
Kowloon, Hong Kong
Tel 852-2328-5515
Fax 852-2352-3706

EUROPE OFFICE

Bel Fuse Europe Ltd.

Preston Technology Management Centre
Marsh Lane, Suite F15
Preston, Lancashire, PR1 8UQ
United Kingdom
Tel 44-1772-556601
Fax 44-1772-561008

EUROPE

Bel Stewart GmbH

Industriestrasse 20
61381 Friedrichsdorf
Germany
Tel 49-6172-9552-0
Fax 49-6172-9552-40