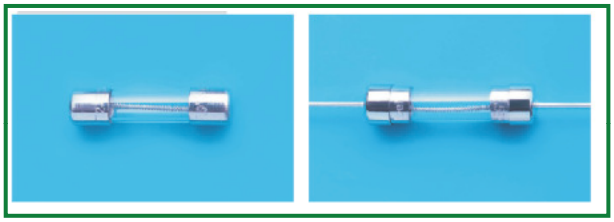
Type 5VT / 5VTP

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

5 x 20mm Glass Tube
RoHS 6 Compliant

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 In	2.1 In	2.75 In		4 In		10 In	
	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 = Pb

HALOGEN FREE = HF

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

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HF Pb

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					
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

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Type 5VT / 5VTP

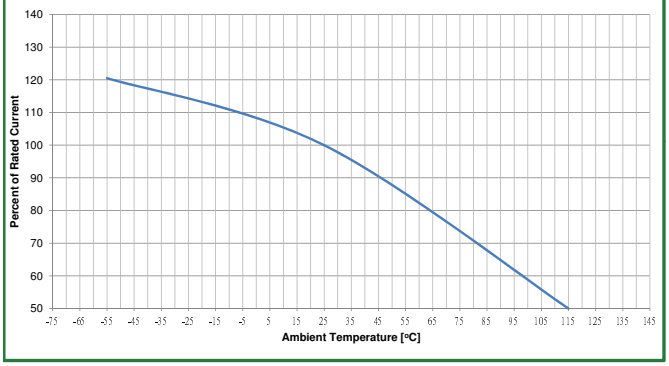
Time-lag Fuse Series (High Surge-proof,Low Breaking Capacity)

5 x 20mm Glass Tube

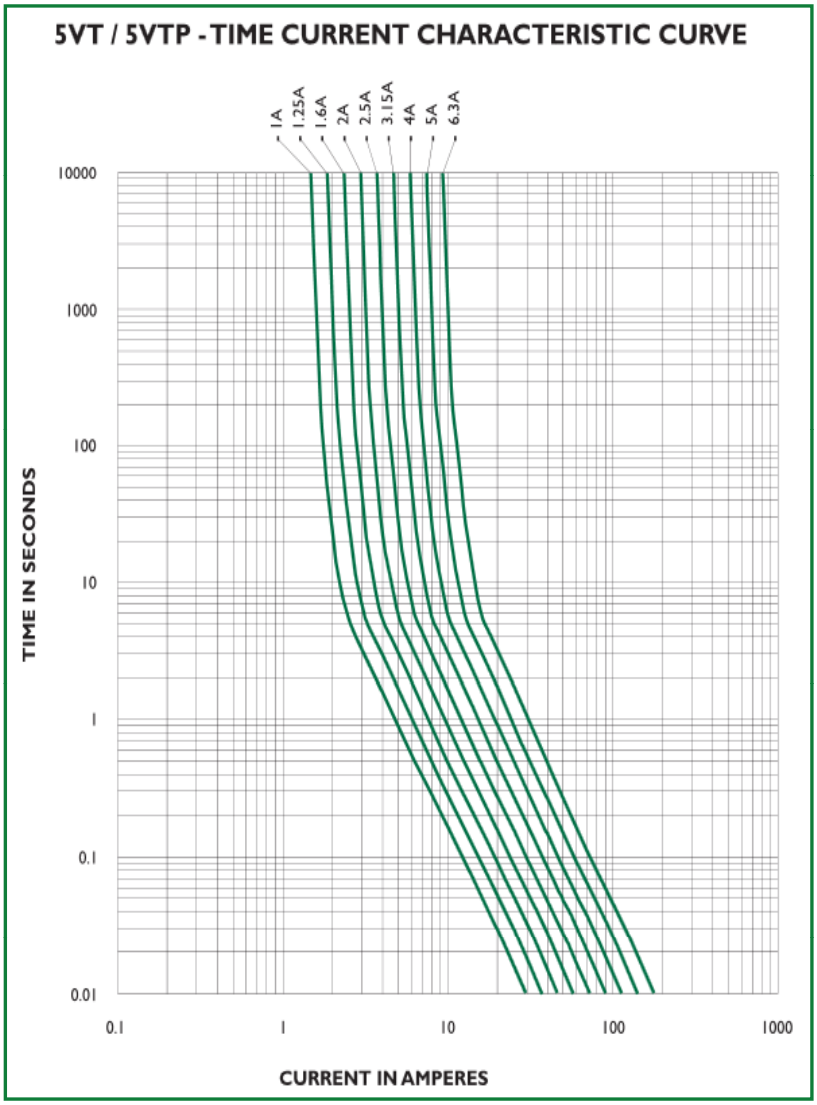
RoHS 6 Compliant

5VT May2012C

Temperature Derating Curve

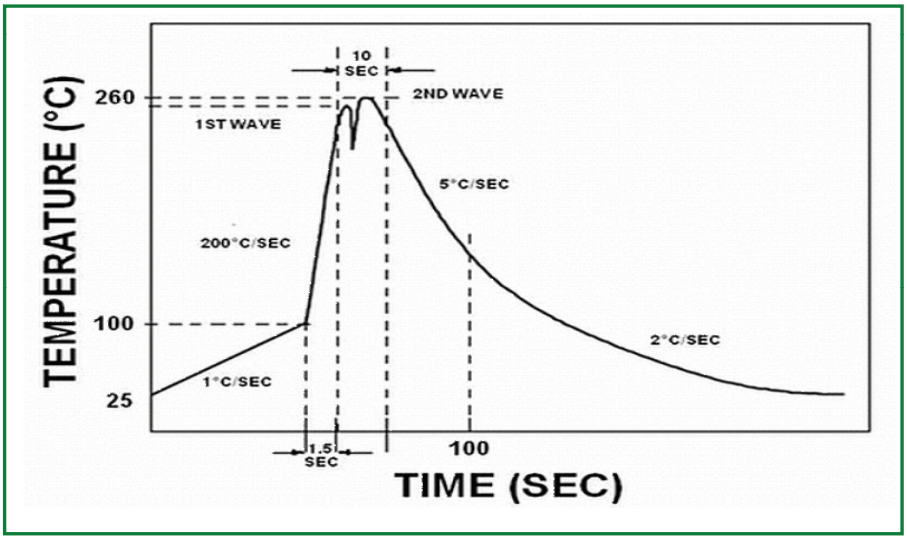


Average Time Current Curve



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 Tp	260°C
Time within +0 °C / -5°C of actual peak temperature	10 seconds
Ramp-down rate	5 °C / second max.



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Website: www.belfuse.com

Type 5VT / 5VTP

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

5 x 20mm Glass Tube
RoHS 6 Compliant

HF Pb

5VT May2012D

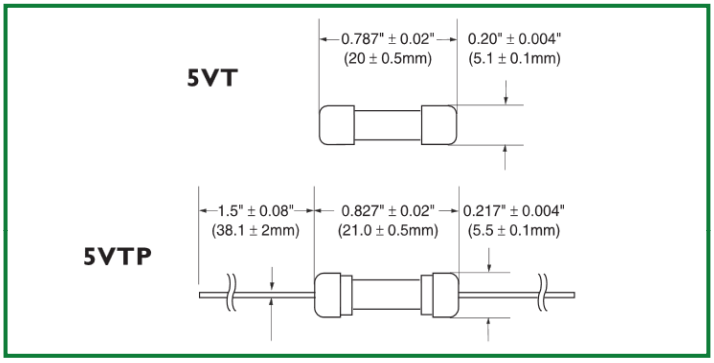
Physical Specifications

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℃,10+/-1 sec)
Thermal Shock	MIL-STD-202G, Method 107G, Test Condition B (-65℃ to +125℃).
Operating Temperature	-55℃ to +125℃
Terminal Strength	IEC-68-2-21

Mechanical Dimensions



Ordering Information

0654 R XXXX - X X

FUSE TYPE
0654

R = RoHS Compliant

AMPERE RATING
Refer to fuse FGNO explanation table

SAFETY STANDARD CODE
1 = IEC

QUANTITY & PACKAGING CODE
1 = 100 pcs / Bulk bag, 1K / Box ,Cartridge Type Fuse
3 = 500 pcs/ bag/ box, Pigtail Type Fuse
6 = 1500 pcs / Reel,Tape and Reel

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

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

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