Type 5ET / 5ETP

Time-Lag Fuse Series (High Surge-proof, Enhanced-Breaking Capacity)

HF Pb 5ET/5ETP Series, 5x20mm Glass Tube Time-lag Fuse — RoHS 6 Compliant

Description

5x20mm Time lag fuse, high surge-proof, enhanced breaking capacity, glass tube body cartridge fuse designed, approved and complied with IEC 60127-2, standard sheet 6.

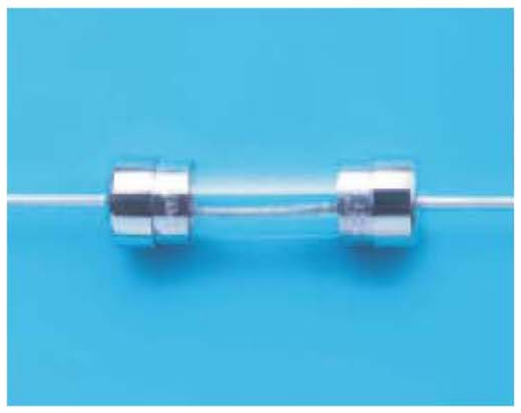
Features

- Meet IEC standard 60127-2, sheet 6
- Wide operating temperature range
- Bulk and Tape & Reel packing available
- RoHS 6 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



Physical Specifications

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

Electrical Characteristics (IEC-127-2 STANDARD SHEET 6)

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 12A	1 hr.		2 min.	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms

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

Safety Agency Approvals

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
S	1216132 1400794	1A - 12A / 250V AC	1A - 6.3A / 250V AC @ 150A 8A - 12A / 250V AC @ 150A
DVE	40007746		1A - 6.3A / 250V AC @ 150A
cULus	E20624		
SP	LR39772		
CCC	2003010207030342		

* I.R. = INTERRUPTING RATING = SHORT CIRCUIT RATING (AMPS)

Specifications subject to change without notice

bel POWER SOLUTIONS & PROTECTION
a bel group

Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302 USA

+1 201.432.0463
techhelp@belf.com
belfuse.com

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Environmental Specifications

Shock Resistance	MIL-STD-202G, Method 213B, Test Condition 1 (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

Electrical Specifications

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% In (Volt) max.	Voltage and Interrupting Ratings	Melting I^2T <10 mSec (A^2 Sec)	Melting I^2T @10 In (A^2 Sec)	Maximum Power Dissipation (W)	Agency Approvals				
								c UL us	SP	CCC	S	VDE
5ET (P) 1-R	1A	0.111	0.15	See Table of	28	29	0.42	Y	Y	Y	Y	Y
5ET (P) 1.25-R	1.25A	0.073	0.13		42	43	0.42	Y	Y	Y	Y	Y
5ET (P) 1.6-R	1.6A	0.058	0.13		62	64	0.51	Y	Y	Y	Y	Y
5ET (P) 2-R	2A	0.039	0.12		92	95	0.61	Y	Y	Y	Y	Y
5ET (P) 2.5-R	2.5A	0.0[illegible]										