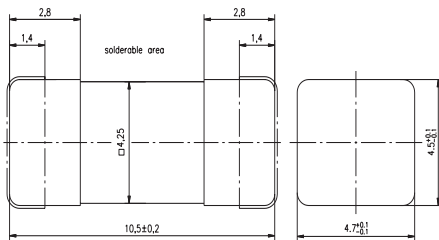


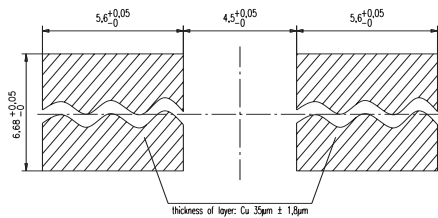
SM250V / SM350V No. 462 Lead Free



Dimensions (mm)



Pad Layout acc. to IEC 60127-4



IEC 60127-4, 250 V / 350 V AC/DC, T

Time-Current Characteristic

Time Lag (T)

Standard

IEC 60127-4/2
UL 248-14

Approvals

VDE
UL
PSE JET

Features

- Heat resistant plastic housing, UL 94 V-0
- For line or low voltage applications
- Low voltage drop
- Internationally approved
- High pulse resistance
- Lead-free

Specifications

Packaging

DR: Blister Tape (1500 pcs.) reel diameter 330 mm

Materials

Housing: plastic UL 94 V-0
Element: Wire
Terminals: copper alloy, tin plated

Operating Temperature

-40 °C to +85 °C (consider derating)

Climatic Category

-40 °C / +85 °C / 21 days
(IEC 60068-1, -2-1, -2-2, -2-78)

Stock Conditions

+10 °C to +60 °C
relative humidity ≤ 75 % yearly average,
without dew, maximum value for 30 days-95 %

Vibration Resistance

24 cycles of 15 min. each (EN 60068-2-6)
10 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Solderability

235 °C, 5 s. (IEC 60068-2-58)

Soldering Heat Resistance

260 °C, 10 s. (IEC 60068-2-58)

Minimum Cross Section, Copper

Conducting path - 0.1 mm²
Thickness - 0.035 mm

Mounting

Avoid circuit traces below the fuse

Marking

Ⓜ, T, Current Rating, L, 250V, Ⓜ

Unit Weight

0.4 g



Limits for Pre-arcing Time

Rated Current	1.25 x I _N	2.0 x I _N	10 x I _N
500mA...5.00 A	> 1 h	< 2 min	10 ms ... 100 ms

Permissible continuous operating current is ≤ 80 % at ambient temperature of 23 °C (73.4 °F).

Rated Current	Voltage Rating	Breaking Capacity Ⓜ	Voltage Drop 1.0 x I _N Ⓜ max. (mV)	Power Dissipation 1.25 x I _N Ⓜ max. (mW)	Melting Integral 10 x I _N Ⓜ min. (A ² s) typ.		Approvals			
					VDE	UL	PSE/JET	cURus		
500 mA	250 V		160	200	0.33	0.43	•	•	•	
630 mA	250 V		160	200	0.60	0.80	•	•	•	
800 mA	250 V		160	250	1.05	1.40	•	•	•	
1.00 A	250 V		140	250	2.00	2.70	•	•	•	•
1.25 A	250 V	100 A / 350 V AC/DC *	130	250	4.00	5.20	•	•	•	•
1.60 A	250 V	150 A / 250 V AC/DC 50-60Hz cos φ = 1.0	130	280	7.00	9.70	•	•	•	•
2.00 A	250 V		120	300	4.00	5.44	•	•	•	•
2.50 A	250 V		120	450	6.25	8.00	•	•	•	•
3.15 A	250 V		110	600	11.00	14.00	•	•	•	•
4.00 A	250 V		110	800	17.60	21.00	•	•	•	•
5.00 A	250 V	150 A / 250 V AC/DC	110	1000	30.00	40.00	•	•	•	•

* 100 A / 350 V AC/DC according to UL Recognition

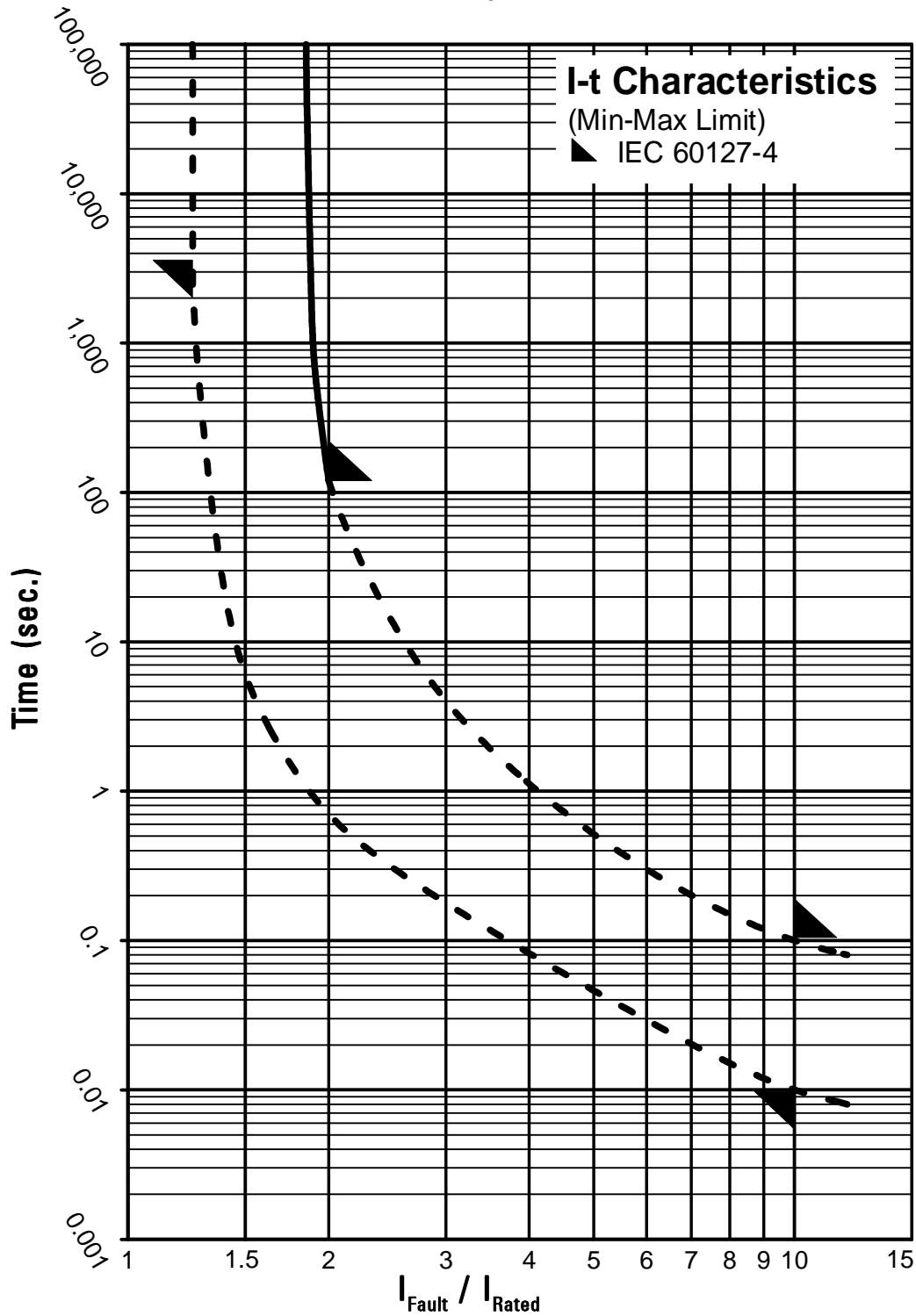
Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

Qty.	Order-Number	Series	Amp Rating	Packaging
		462		

Specifications are subject to change without notice

SM250V / No. 462



Contact Littelfuse for individual I-t curves