



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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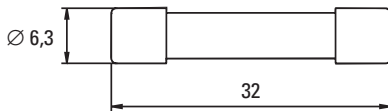
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



6.3x32 mm / No. 231 **Special Type, 500 V, FF** **Leadfree**



Dimensions (mm)



Time-Current Characteristic

Very Quick Acting (FF)

Standard
None

Approvals
None

Features

- Designed for semiconductor protection
- For high voltage applications
- High breaking capacity
- Pluggable into clips or shocksafe holders

Specifications

Packaging

002: Pack (100 pcs.)

Materials

Tube: Ceramic
End Caps: Nickel-plated brass

Operating Temperature

-25 °C to +70 °C (consider de-rating)

Climatic Category

-25 °C/+70 °C/21 days (EN 60068-1..3)

Stock Conditions

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

Vibration Resistance

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

Marking

Ⓢ, FF, Current Rating, 500 V

Unit Weight

2.5 g (approx.)

Limits for Pre-arcing Time

Rated Current	$1.0 \times I_N^1$	$1.5 \times I_N$	$2.75 \times I_N$	$4 \times I_N$	$10 \times I_N$
2.00 A ... 16.00 A	> 1 h	< 30 min	2 ms ... 100 ms	1 ms ... 25 ms	< 3 ms



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

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop $1.0 \times I_N$ Ⓢ max. (mV)	Power Dissipation $1.0 \times I_N$ Ⓢ max. (W)	Melting Integral $10 \times I_N$ Ⓢ max. (A ² s)	Approvals
2.00 A	1200	500 V	1000A / 500VAC 50-60Hz cos φ = 1.0	800	3.0	0.35	None
2.50 A	1250	500 V		800	3.0	0.44	
3.15 A	1315	500 V		800	3.0	0.75	
4.00 A ²	1400	500 V		700	3.6	1.6	
5.00 A ²	1500	500 V		600	3.6	2.5	
6.30 A ²	1630	500 V		600	3.6	5	
8.00 A ²	1800	500 V		600	5.2	10	
10.00 A ²	2100	500 V		500	5.2	20	
12.50 A ²	2125	500 V		500	6.3	38	
16.00 A ^{1,2}	2160	500 V		480	6.3	68	

¹ 16.00 A: $0.9 \times I_N > 1$ h

² Depending on the application and mounting, the fuse heating at max. ambient temperature in a closed fuseholder should be considered.

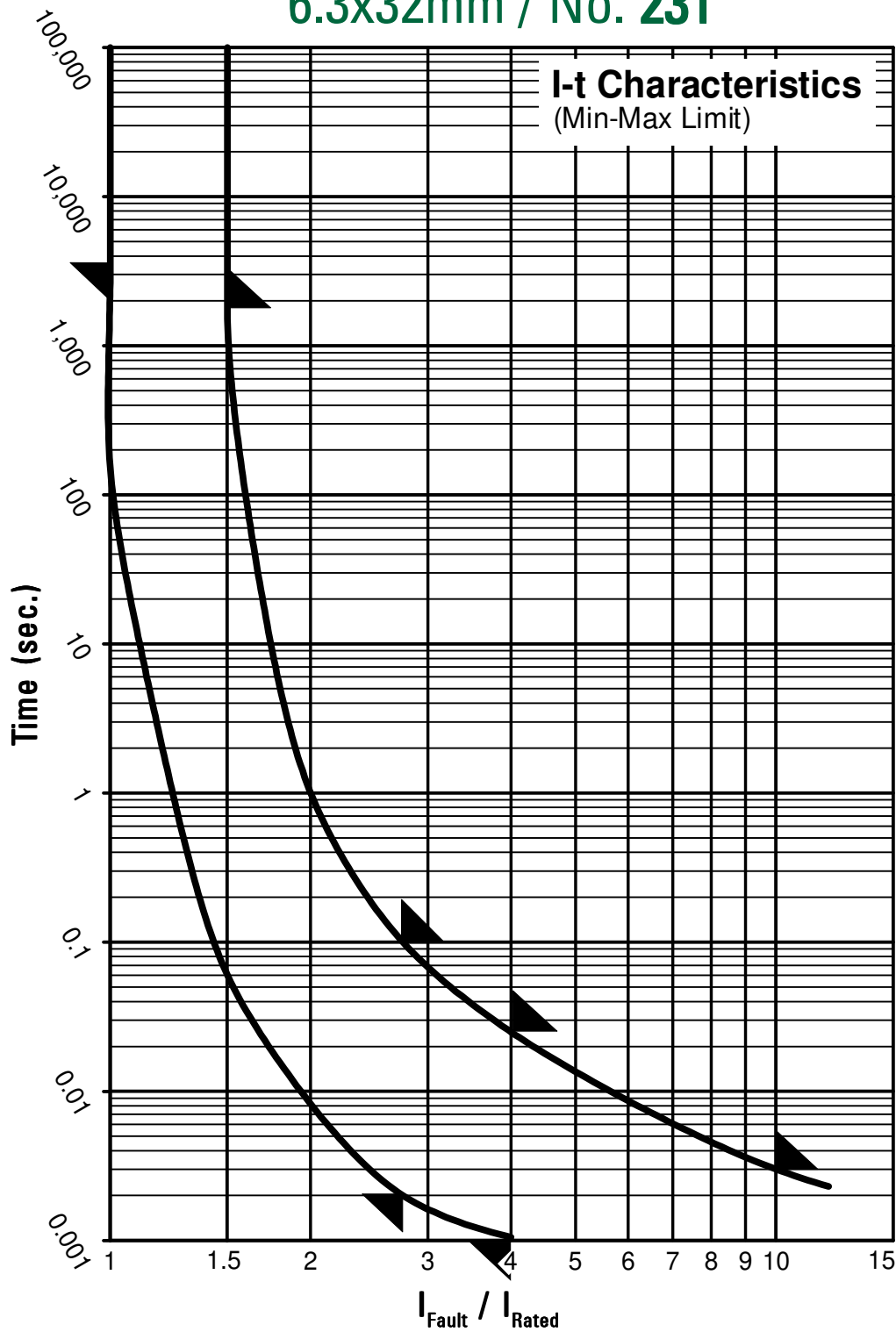
Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		231		

Specifications are subject to change without notice

6.3x32mm / No. 231



Contact Littelfuse for individual I-t curves