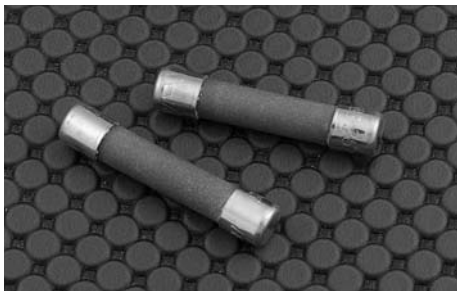
GBB

1/4" x 1 1/4" Very-fast acting ceramic tube fuses



RoHS

Agency information

- UL Recognized Card: 1-30A (JFHR2, E56412)
- CSA Component Accepted Card: 1-30A (Class 1422-30 File 53787)

Ordering

- Specify packaging, product, and option code

Product features

- Very fast-acting
- Optional axial leads available
- 1/4" x 1 1/4" (6.3 x 32mm) physical size
- Ceramic tube, nickel-plated brass endcap construction
- 100pc-carton quantity weighs 1.0 lb (0.45 kg)
- UL Recognized product meets standard 248-14

Electrical Characteristics		
Rated Current	% of Amp Rating	Opening Time
1 - 20A	100%	None
	150%	2 minutes maximum
	250%	1 seconds maximum
	400%	-
25, 30A	100%	None
	150%	2 minutes maximum
	250%	6 seconds maximum
	400%	-

Specifications							
Part Number	Voltage Rating		AC Interrupting Rating (amps)*		DC Interrupting Rating (amps)*	Typical DC Cold Resistance (Ω)**	Typical Voltage Drop (V)‡
	Vac	Vdc	250Vac	125Vac	125Vdc		
GBB-1-R	250	125	200	10,000	10,000	0.17750	0.2096
GBB-1-1/4-R	250	125	200	10,000	10,000	0.17900	0.2497
GBB-2-R	250	125	200	10,000	10,000	0.06620	0.1687
GBB-3-R	250	125	200	10,000	10,000	0.04475	0.1816
GBB-4-R	250	125	200	10,000	10,000	0.03175	0.1778
GBB-5-R	250	125	200	10,000	10,000	0.02125	0.1217
GBB-6-R	250	125	200	10,000	10,000	0.01800	0.1324
GBB-7-R	250	125	200	10,000	10,000	0.01550	0.1355
GBB-8-R	250	125	200	10,000	10,000	0.01360	0.1144
GBB-9-R	250	125	200	10,000	10,000	0.01070	0.1218
GBB-10-R	250	125	200	10,000	10,000	0.00934	0.0877
GBB-12-R	250	125	200	10,000	10,000	0.00620	0.0806
GBB-15-R	250	125	200	10,000	10,000	0.00472	0.0735
GBB-20-R	250	125	200	200	200	0.00330	0.0728
GBB-25-R	250	125	200	200	200	0.00252	0.0610
GBB-30-R	250	125	200	200	200	0.00206	0.0657

* Interrupting ratings: Interrupting ratings for 1-15A at 125Vdc was measured at 10,000A, 3.5 ms maximum, with time constant. Ratings 20-30A at 125Vdc were measured at 200A, 0.5 ms maximum, with time constant. Ratings 1-15A at 125Vac were measured at 10,000A, and 70% - 80% power factor. The interrupting ratings for 1-30A at 250Vac were measured at 90% - 100% power factor.

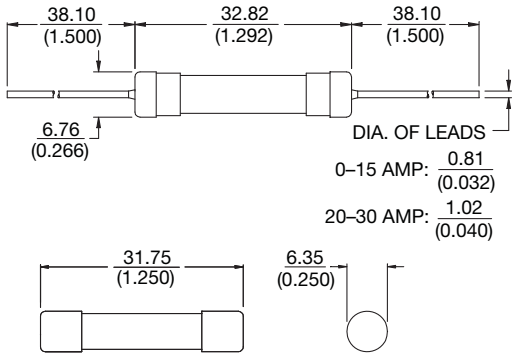
** DC Cold Resistance (Measured at <10% of rated current)

† Typical Melting I ²t (I^2t was measured at listed interrupting rating and rated voltage) Interrupting ratings were measured at 70% to 80% power factor on AC.

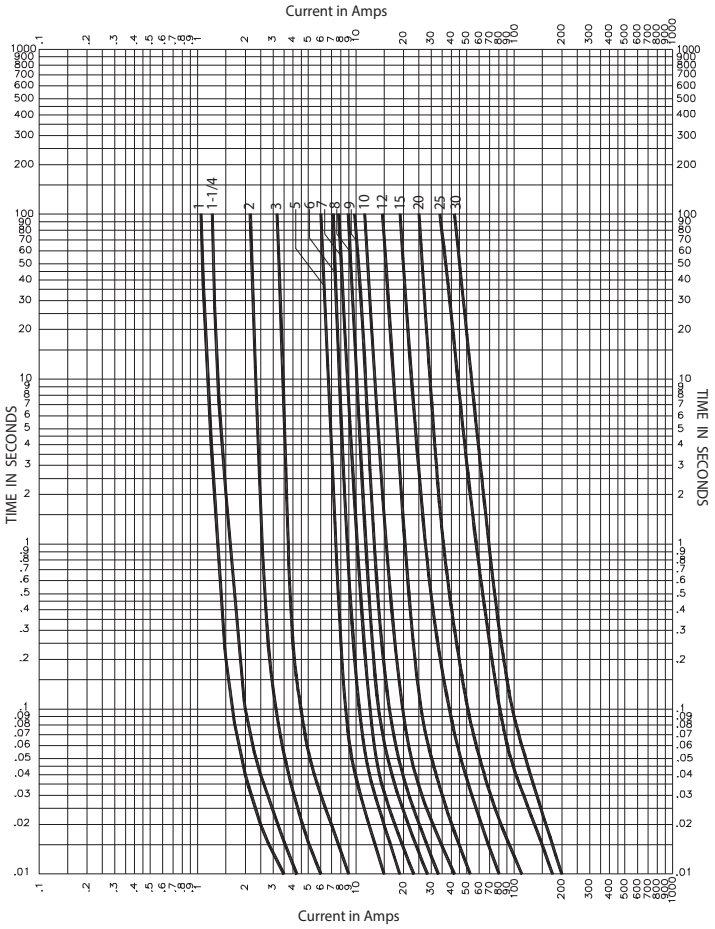
‡ Typical Voltage drop (Voltage drop was measured at 25°C±3°C ambient temperature at rated current)

GBB
1/4" x 1 1/4" Very-fast acting ceramic tube fuses

Dimensions - mm/in



Time-Current Curve



Packaging	
Packaging Code	Description
BK	100 fuses packed into a cardboard carton
BK1	1,000 fuses packed into a cardboard carton

	Option Code
Option Code	Description
B	Sealed to withstand aqueous cleaning (board washable)
V	Axial leads - copper tinned wire with nickel plated brass overcaps

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