



## 1/4" x 1-1/4" Fuses **GBB Series Very Fast Acting, Ceramic Tube**

#### **Description**

- Very fast-acting
- Optional axial leads available
- 1/4" x 1-1/4" (6.3mm 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%            | -                 |  |  |  |

### **Agency Information**

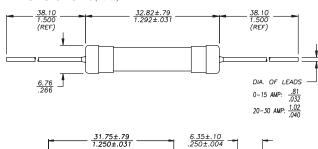
- UL Recognized Card: GBB 1-30A (JFHR2, E56412)
- CSA Component Certified Card (Class 1422-01 File 53787)

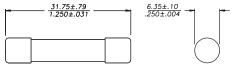
#### **Ordering**

· Specify packaging, product, and option code









|              | SPECIFICATIONS |      |      |                    |                         |                               |             |    |                    |
|--------------|----------------|------|------|--------------------|-------------------------|-------------------------------|-------------|----|--------------------|
| Product Code | Volt<br>Rat    | •    |      | errupting<br>ting* | DC Interrupting Rating* | Typical DC Cold<br>Resistance | Typ<br>Melt |    | Typical<br>Voltage |
|              | AC             | DC   | 250V | 125V               | 125V                    | (ohms)**                      | AC          | DC | Drop (V)‡          |
| GBB-1        | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.17750                       | -           | -  | 0.17750            |
| GBB-1-1/4    | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.17900                       | -           | -  | 0.17900            |
| GBB-2        | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.06620                       | -           | -  | 0.07000            |
| GBB-3        | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.04475                       | -           | -  | 0.04475            |
| GBB-4        | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.03175                       | -           | -  | 0.03175            |
| GBB-5        | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.02125                       | -           | -  | 0.02125            |
| GBB-6        | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.01800                       | -           | -  | 0.01800            |
| GBB-7        | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.01550                       | -           | -  | 0.01550            |
| GBB-8        | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.01360                       | -           | -  | 0.01360            |
| GBB-9        | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.01070                       | -           | -  | 0.01070            |
| GBB-10       | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.00934                       | -           | -  | 0.00934            |
| GBB-12       | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.00620                       | -           | -  | 0.08620            |
| GBB-15       | 250V           | 125V | 200A | 10,000A            | 10,000A                 | 0.00472                       | -           | -  | 0.00472            |
| GBB-20       | 250V           | 125V | 200A | 200A               | 200A                    | 0.00330                       | -           | -  | 0.00365            |
| GBB-25       | 250V           | 125V | 200A | 200A               | 200A                    | 0.00252                       | -           | -  | 0.00252            |
| GBB-30       | 250V           | 125V | 200A | 200A               | 200A                    | 0.00206                       | -           | -  | 0.00206            |

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% -

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

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

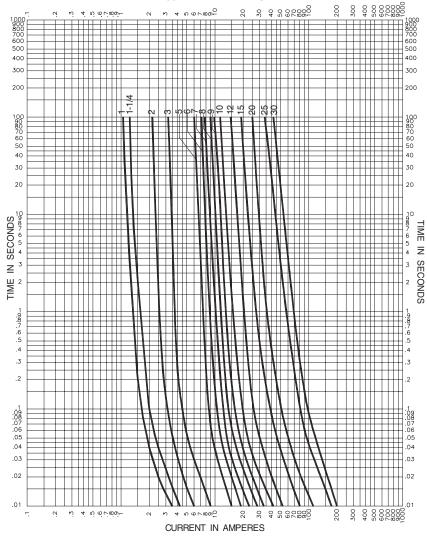
Typical Melting I<sup>2</sup>t (I<sup>2</sup>t was measured at listed interrupting rating and rated voltage) Interrupting ratings were measured at 70% to 80% power factor on AC.



# 1/4" x 1-1/4" Fuses GBB Series Very Fast Acting, Ceramic Tube

#### TIME CURRENT CURVE





| PACKAGING CODE |  |  |
|----------------|--|--|
| Packaging Code | Description  |  |
| BK             | 100 pieces of fuses packed into a cardboard carton   |  |
| BK1            | 1,000 pieces of fuses packed into a cardboard carton |  |

| OPTION CODE |  |  |
|-------------|--|--|
| Option Code | Description  |  |
| В           | Board Washable - Hermetically sealed to withstand aqueous cleaning |  |
| V           | Axial leads - copper tinned wire with nickel plated brass overcaps |  |
| -R          | RoHS compliant version   |  |



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