

**Type 5HF / 5HFP**  
Quick-acting Fuse Series (High-Breaking Capacity)

5 x 20mm Ceramic Tube  
RoHS Compliant

5HFD0106



**Electrical Characteristics** (IEC-127-2 STANDARD SHEET 1)

| Rated Current  | 1.5 In |      | 2.1 In |     | 2.75 In |     | 4 In |     | 10 In |
|----------------|--------|------|--------|-----|---------|-----|------|-----|-------|
|                | MIN    | MAX  | MIN    | MAX | MIN     | MAX | MIN  | MAX | MAX   |
| 100mA to 3.15A | 1      | 30   | 10     | 2   | 3       | 300 | 20   |     |       |
| 4A to 6.3A     | 1      | 30   | 10     | 3   | 3       | 300 | 20   |     |       |
| 8A to 12A      | 1      | 30   | 40     | 20  | 10      | 1   | 20   |     |       |
|                | hr.    | min. | ms     | sec | ms      | ms  | ms   |     |       |

Approvals

| Safety Agency Approvals                                   | Amp range / Volt @ I.R.ability                              |
|---|---|
| Certificate No. 408891<br>Certificate No. 401359          | 1A - 6.3A / 250V AC @ 1,500A<br>8A - 12A / 250V AC @ 1,500A |
| Licence No. 40000506<br>Certificate No. EM233             | 1A - 6.3A / 250V AC @ 1,500A                                |
| Recognized File No. E20624<br>Acceptance File No. LR39772 | 100mA - 10A / 250V AC @ 1,500A                              |
| File No. JET1037-31003-1004,<br>JET1037-31003-1005        | 1A - 5A / 250V AC @ 1,500A                                  |
| Licence No. 2002010207021529                              | 100mA - 10A / 250V AC @ 1,500A                              |

**RoHS Compliant Product**

For RoHS Compliant Version, add suffix "R" after catalog number

**Operating Temperature**

-55°C to +125°C

**Physical Specification**

**Materials**

Ceramic body / Nickel Plated Brass Caps

Lead wire:

Tin plated copper alloy,  
Diameter 0.032", 6.3A and less  
Diameter 0.040", 8A and above

**Marking**

On fuse:

"bel", "F", "Current Rating", "H", "250V",  
"Appropriate Safety Logos", "✓" (RoHS Version)

On label:

"bel", "5HF" or "5HFP", "Current Rating",  
"Voltage Rating", "Interrupting Rating", "Appropriate  
Safety Logos" and + suffix "R" for RoHS Version

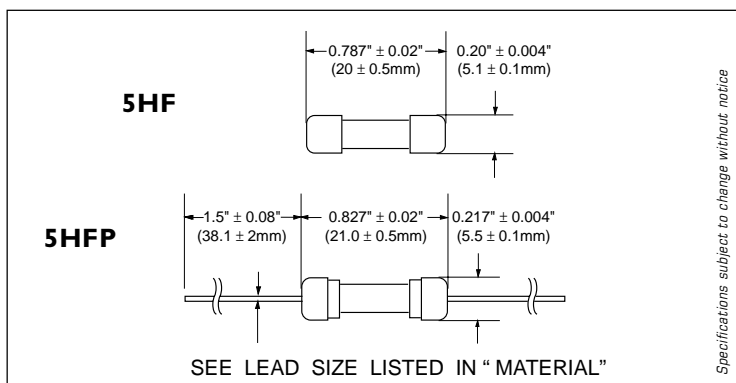
| Catalog Number | RoHS Suffix | Ampere Rating | Typical Cold Resistance (ohm) | Volt-drop @100% In (Volt) max. | Melting I <sup>2</sup> T < 10 mSec (A <sup>2</sup> Sec) | Melting I <sup>2</sup> T @10 In (A <sup>2</sup> Sec) | Maximum Power Dissipation (W) |
|----------------|-------------|---------------|-------------------------------|--------------------------------|---|--|-------------------------------|
| 5HF (P) 100    | -R          | 100mA         | 3.85                          | 0.56                           | 0.003   | 0.002  | 0.30                          |
| 5HF (P) 125    | -R          | 125mA         | 2.78                          | 0.54                           | 0.005   | 0.004  | 0.36                          |
| 5HF (P) 160    | -R          | 160mA         | 2.01                          | 0.52                           | 0.009   | 0.008  | 0.43                          |
| 5HF (P) 200    | -R          | 200mA         | 1.45                          | 0.50                           | 0.016   | 0.014  | 0.52                          |
| 5HF (P) 250    | -R          | 250mA         | 1.05                          | 0.48                           | 0.028   | 0.026  | 0.63                          |
| 5HF (P) 315    | -R          | 315mA         | 0.757                         | 0.46                           | 0.051   | 0.046  | 0.76                          |
| 5HF (P) 400    | -R          | 400mA         | 0.547                         | 0.44                           | 0.091   | 0.084  | 0.92                          |
| 5HF (P) 500    | -R          | 500mA         | 0.395                         | 0.43                           | 0.16  | 0.15   | 1.11                          |
| 5HF (P) 630    | -R          | 630mA         | 0.286                         | 0.41                           | 0.29  | 0.27   | 1.35                          |
| 5HF (P) 800    | -R          | 800mA         | 0.206                         | 0.20                           | 0.36  | 0.35   | 0.58                          |
| 5HF (P) 1      | -R          | 1A            | 0.150                         | 0.18                           | 0.65  | 0.63   | 0.69                          |
| 5HF (P) 1.25   | -R          | 1.25A         | 0.110                         | 0.17                           | 1.17  | 1.15   | 0.81                          |
| 5HF (P) 1.6    | -R          | 1.6A          | 0.080                         | 0.16                           | 2.10  | 2.07   | 0.96                          |
| 5HF (P) 2      | -R          | 2A            | 0.058                         | 0.15                           | 3.77  | 3.75   | 1.1                           |
| 5HF (P) 2.5    | -R          | 2.5A          | 0.043                         | 0.14                           | 6.78  | 6.78   | 1.3                           |
| 5HF (P) 3.15   | -R          | 3.15A         | 0.031                         | 0.14                           | 12  | 12   | 1.6                           |
| 5HF (P) 4      | -R          | 4A            | 0.023                         | 0.13                           | 22  | 22   | 1.9                           |
| 5HF (P) 5      | -R          | 5A            | 0.016                         | 0.12                           | 39  | 40   | 2.2                           |
| 5HF (P) 6.3    | -R          | 6.3A          | 0.012                         | 0.11                           | 70  | 73   | 2.7                           |
| 5HF (P) 8      | -R          | 8A            | 0.009                         | 0.11                           | 126   | 131  | 3.1                           |
| 5HF (P) 10     | -R          | 10A           | 0.006                         | 0.10                           | 227   | 238  | 3.7                           |
| 5HF (P) 12     | -R          | 12A           | 0.005                         | 0.094                          | 408   | 430  | 4.4                           |

Consult manufacturer for other ratings

**Packaging**

- In bulk:  
5HF - 1,000 pcs per box; 5HFP - 500 pcs per box
- On Axial Tape & Reel:  
1,500 pcs per reel
- Tape & Reel specification:  
per EIA-296-E & IEC 286-1 @ 10mm Pitch and 63.5mm inside Tape Spacing

**Mechanical Dimensions**



ORDERING INFORMATION SEE LAST 2 PAGES

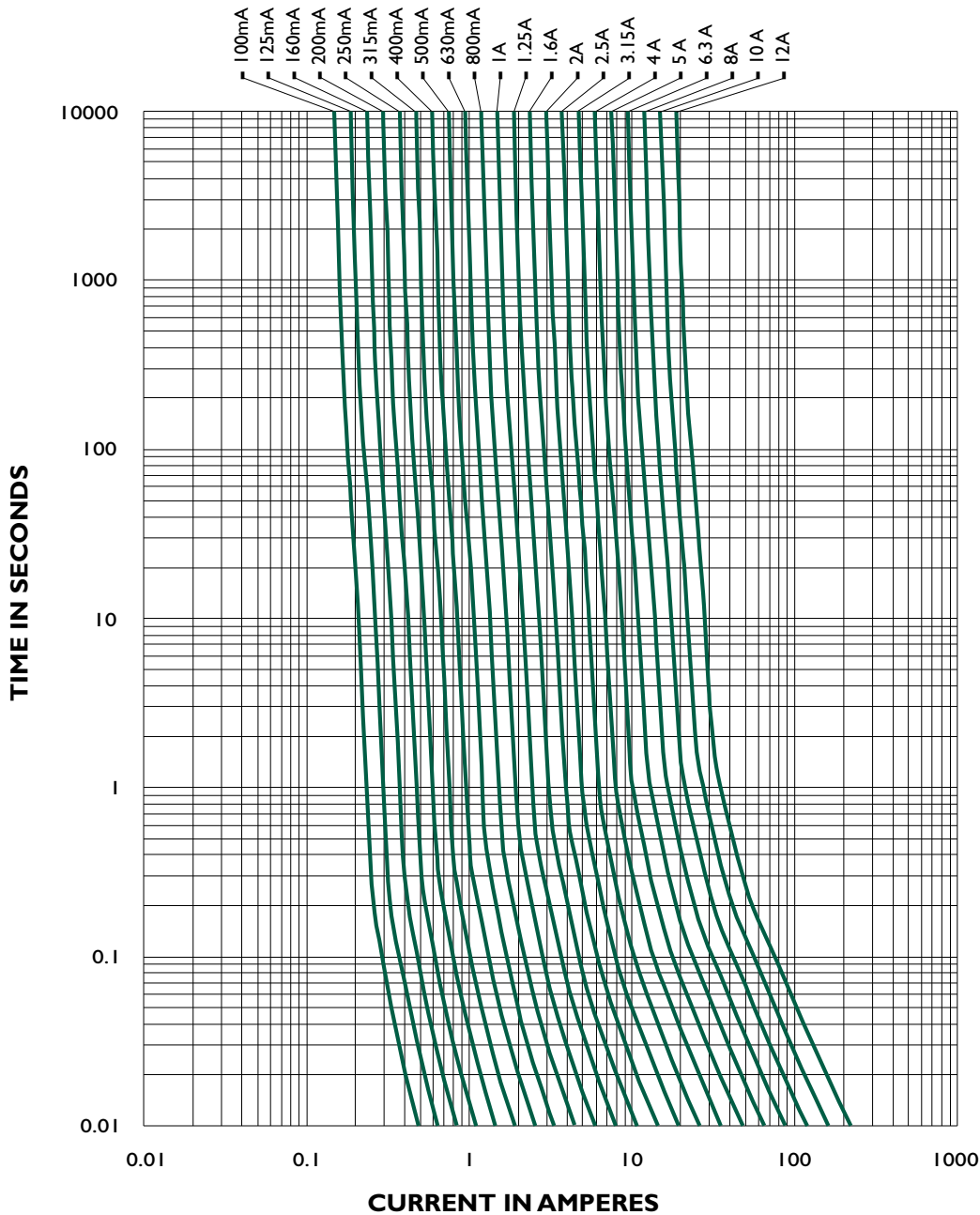
# Type 5HF / 5HFP

5 x 20mm Ceramic Tube  
RoHS Compliant

Quick-acting Fuse Series (High-Breaking Capacity)

5HFC0405

## 5HF / 5HFP - TIME CURRENT CHARACTERISTIC CURVE



Specifications subject to change without notice

NOTE - see important information under "User Guide" on P.08

### Corporate Office

**Bel Fuse Inc.**  
206 Van Vorst Street, Jersey City, NJ 07302  
Tel: 201-432-0463  
Fax: 201-432-9542  
E-Mail: [belfuse@belfuse.com](mailto:belfuse@belfuse.com)  
Website: [www.belfuse.com](http://www.belfuse.com)

### Far East Office

**Bel Fuse Ltd.**  
8F/8 Luk Hop Street  
San Po Kong  
Kowloon, Hong Kong  
Tel: 852-2328-5515  
Fax: 852-2352-3706

### European Office

**Bel Fuse Europe Ltd.**  
Preston Technology Management Centre  
Marsh Lane, Preston PR1 8UD  
Lancashire, U.K  
Tel: 44-1772-556601  
Fax: 44-1772-888366