

# Military Qualified Product Listing

## MIL-F-15160 Fuses - Instruments, Power and Telephone

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Military Standard MIL-F-15160/01</b><br><b>1/4" x 1" Fuses</b><br>F01A125V <sup>1/10</sup> A*<br>F01A125V <sup>3/10</sup> A<br>F01A125V <sup>1/2</sup> A<br>F01A125V1A<br>F01A125V1 1/4A<br>F01A125V1 1/2A<br>F01A125V1 5/8A<br>F01A125V2A<br>F01A125V2 1/2A<br>F01A125V3A<br>F01A125V3 1/10A<br>F01A125V4A<br>F01A125V5A<br>F01A250V <sup>1/2</sup> A<br><br>*** Commercial version is AGX Series. See Data Sheet 2041 for more information.                                                                                                                                                                                                                                                                                                                                                                                        | <b>Military Standard MIL-F-15160/02</b><br><b>1/4" x 1 1/4" Fuses</b><br>F02A32V15A<br>F02A32V20A<br>F02A32V25A<br>F02A32V30A<br><br>F02B32V8A<br>F02B32V10A<br>F02B32V12A<br>F02B32V15A<br><br>F02A125V8A<br>F02A125V10A<br><br>F02A250V <sup>1/2</sup> A<br>F02A250V <sup>9/10</sup> AS**<br>F02A250V <sup>3/4</sup> A<br>F02A250V1A<br>F02A250V1 1/4A<br>F02A250V1 1/2A<br>F02A250V1 5/8A<br>F02A250V2A<br>F02A250V2 1/2A<br>F02A250V3A<br>F02A250V4A<br>F02A250V5A<br>F02A250V6A<br><br>*** Commercial version is AGC Series. See Data Sheet 2001 for more information. | <b>Military Standard MIL-F-15160/02</b><br><b>1/4" x 1 1/4" Fuses</b><br>F02B125V4A<br>F02B125V5A<br>F02B125V6 1/4A<br>F02B125V7A<br><br>F02B250V <sup>1/5</sup> 100A<br>F02B250V <sup>3/10</sup> A<br>F02B250V <sup>2/10</sup> A<br>F02B250V <sup>1/4</sup> A<br>F02B250V <sup>3/10</sup> A<br>F02B250V <sup>3/8</sup> A<br>F02B250V <sup>1/2</sup> A*<br>F02B250V <sup>1/2</sup> A<br>F02B250V <sup>9/10</sup> A<br>F02B250V <sup>1/4</sup> A<br>F02B250V1A<br>F02B250V1 1/4A<br>F02B250V1 1/2A<br>F02B250V1 5/8A<br>F02B250V2A<br>F02B250V2 1/2A<br>F02B250V2 3/10S**<br>F02B250V3A<br>F02B250V3 1/10A*<br><br>*** Commercial version is MDL Series. See Data Sheet 2004 for more information. | <b>Military Standard MIL-F-15160/03</b><br><b>1/4" x 1 1/4" Fuses</b><br>F03A125V20A<br>F03A125V25A<br>F03A125V30A<br><br>F03A250V1A<br>F03A250V1 1/4A<br>F03A250V1 1/2A<br>F03A250V2A<br>F03A250V3A<br>F03A250V4A<br>F03A250V5A<br>F03A250V6A<br>F03A250V8A<br>F03A250V10A<br>F03A250V12A<br>F03A250V15A<br><br>*** Commercial version is ABC Series. See Data Sheet 2000 for more information.                                                                                                                                                                                                                                                                                                 |
| <b>Military Standard MIL-F-15160/03</b><br><b>1/4" x 1 1/4" Fuses</b><br>F03B125V4A<br>F03B125V5A<br>F03B125V6 1/4A<br>F03B125V7A<br>F03B125V8A<br>F03B125V10A<br>F03B125V12A<br>F03B125V15A<br>F03B125V20A<br>F03B125V25A<br>F03B125V30A<br><br>F03B250V <sup>1/10</sup> A<br>F03B250V <sup>1/4</sup> A<br>F03B250V <sup>1/5</sup> 100A<br>F03B250V <sup>3/10</sup> A<br>F03B250V <sup>1/4</sup> A<br>F03B250V <sup>3/10</sup> A*<br>F03B250V <sup>3/8</sup> A<br>F03B250V <sup>1/2</sup> A<br>F03B250V <sup>9/10</sup> A<br>F03B250V <sup>1/4</sup> A<br>F03B250V <sup>3/10</sup> A*<br>F03B250V1A<br>F03B250V1 1/4A<br>F03B250V1 1/2A<br>F03B250V1 5/8A<br>F03B250V2A<br>F03B250V2 1/2A*<br>F03B250V2 3/10A*<br>F03B250V3A<br>F03B250V3 1/10A<br><br>*** Commercial version is MDA Series. See Data Sheet 2002 for more information. | <b>Military Standard MIL-F-15160/09</b><br><b>1 3/32" x 1 1/2" Fuses</b><br>F09A250V1A<br>F09A250V2A<br>F09A250V3A<br>F09A250V3 1/2A<br>F09A250V4AS**<br>F09A250V5A<br>F09A250V6A<br>F09A250V6 1/4AS**<br>F09A250V7A<br>F09A250V8A<br>F09A250V10A<br>F09A250V15A<br>F09A250V20A<br>F09A250V25A<br>F09A250V30A<br><br>*** Commercial version is BAN Series. See Data Sheet 2046 for more information.                                                                                                                                                                        | <b>Military Standard MIL-F-15160/05</b><br>F05A and F05B series cancelled without replacement on January 1976.<br><br><b>Military Standard MIL-F-15160/06</b><br>F06A and F06B series are inactive for new design after January 1970.<br>Non-military equivalent is ABS Series.<br><br><b>Military Standard MIL-F-15160/07</b><br>F07A and F07B series are inactive for new design after January 1970.<br>Non-military equivalent is AGU Series.                                                                                                                                                                                                                                                  | <b>Military Standard MIL-F-15160/09</b><br><b>1 3/32" x 1 1/2" Fuses</b><br>F09B32V20A*<br>F09B32V25A<br>F09B32V30A<br>F09B125V15A<br><br>F09B250V <sup>1/10</sup> A**<br>F09B250V <sup>1/5</sup> 100A<br>F09B250V <sup>2/10</sup> A<br>F09B250V <sup>3/10</sup> A<br>F09B250V <sup>1/4</sup> A*<br>F09B250V <sup>1/2</sup> A*<br>F09B250V <sup>9/10</sup> A<br>F09B250V1A<br>F09B250V1 1/4A<br>F09B250V1 1/2A<br>F09B250V2A<br>F09B250V2 1/2A<br>F09B250V2 3/10S**<br>F09B250V3 1/10A<br>F09B250V3 1/2AS**<br>F09B250V4A<br>F09B250V5A<br>F09B250V5 1/10A<br>F09B250V6 1/4A<br>F09B250V8A<br>F09B250V10A<br><br>*** Commercial version is FNM Series. See Data Sheet 2028 for more information. |

Note: When silver-plated fuse caps are required, simply suffix the letter "S" to the Type Designation Number; i.e., "F02A250V<sup>1/2</sup>AS."

\*Indicates a product not available with silver-plated caps.

\*\*Indicates a product available only with silver-plated caps.

\*\*\* Commercial equivalent part number is for basic design reference only. Not intended to be used as a substitute for the military part number.

## Military Qualified Product Listing

### MIL-F-15160 Fuses - Instruments, Power and Telephone

|                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Military Standard MIL-F-15160/10</b><br><b><sup>13</sup>/<sub>32</sub>" x 1½" Fuses</b><br>F10A250V1A<br>F10A250V2A<br>F10A250V3A<br>F10A250V4AS**<br>F10A250V5A<br>F10A250V6AS**<br>F10A250V8AS**<br>F10A250V10A<br>F10A250V15A<br>F10A125V20AS**<br>F10A125V30A*<br><br><b>*** Commercial version is MIN Series. See Data Sheet 2047 for more information.</b> | <b>Military Standard MIL-F-15160/15</b><br><b><sup>9</sup>/<sub>16</sub>" x 2" Fuses</b><br>F15A250V1A<br>F15A250V3A<br>F15A250V6A<br>F15A250V10A<br>F15A250V15A<br>F15A250V20A<br>F15A250V25A<br>F15A250V30A                                                                        | <b>Military Standard MIL-F-15160/15</b><br><b><sup>9</sup>/<sub>16</sub>" x 2" Fuses</b><br>F15BR250V1A<br>F15BR250V1 <sup>5</sup> / <sub>16</sub> A<br>F15BR250V2A<br>F15BR250V2½A<br>F15BR250V3 <sup>3</sup> / <sub>16</sub> AS**<br>F15BR250V4AS**<br>F15BR250V5A<br>F15BR250V6¼A*<br>F15BR250V8A<br>F15BR250V10A<br>F15BR250V12A<br>F15BR250V20A<br>F15BR250V25A<br>F15BR250V30A<br><br><b>F15BR replaced F15B in October 1990.</b><br><br><b>*** Commercial version is FRN-R Series. See Data Sheet 1019 for more information.</b> | <b>Military Standard MIL-F-15160/16</b><br><b><sup>13</sup>/<sub>16</sub>" x 3" Fuses</b><br>F16A250V35A<br>F16A250V40A<br>F16A250V45A*<br>F16A250V50A<br>F16A250V60A<br><br><b>Military Standard MIL-F-15160/27</b><br>F27A Series is inactive for new design after December 1990.<br><br><b>Military Standard MIL-F-15160/28</b><br>F28A Series is inactive for new design after December 1990.<br><br><b>Military Standard MIL-F-15160/29</b><br>F29A Series is inactive for new design after December 1990.<br><br><b>Military Standard MIL-F-15160/30</b><br>F30A Series is inactive for new design after December 1990.<br><br><b>Military Standard MIL-F-15160/36</b><br>F36A and F36B Series are inactive for new design after December 1990.<br><br><b>Military Standard MIL-F-15160/37</b><br>F37A and F37B Series are inactive for new design after December 1990.<br><br><b>Military Standard MIL-F-15160/38</b><br>F38A and F38B Series are inactive for new design after December 1990. |
| <b>Military Standard MIL-F-15160/16</b><br><b><sup>13</sup>/<sub>16</sub>" x 3" Fuses</b><br>F16BR250V35A<br>F16BR250V40A<br>F16BR250V45A<br>F16BR250V50A<br>F16BR250V60A<br><br><b>F16BR replaced F16B in October 1990.</b><br><br><b>*** Commercial version is FRN-R Series. See Data Sheet 1019 for more information.</b>                                        | <b>Military Standard MIL-F-15160/19</b><br><b>1" x 5⅞" Fuses</b><br>F19BR250V70A<br>F19BR250V80A<br>F19BR250V90A<br>F19BR250V100A<br><br><b>F19BR replaced F19B in October 1990.</b><br><br><b>*** Commercial version is FRN-R Series. See Data Sheet 1020 for more information.</b> | <b>Military Standard MIL-F-15160/20</b><br><b>1½" x 7⅞" Fuses</b><br>F20BR250V110A<br>F20BR250V125A<br>F20BR250V150A<br>F20BR250V175A<br>F20BR250V200A<br><br><b>F20BR replaced F20B in October 1990.</b><br><br><b>*** Commercial version is FRN-R Series. See Data Sheet 1020 for more information.</b>                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

Note: When silver-plated fuse caps are required, simply suffix the letter "S" to the Type Designation Number; i.e., "F02A250V $\frac{1}{2}$ AS."

\*Indicates a product not available with silver-plated caps.

\*\*Indicates a product available only with silver-plated caps.

\*\*\* Commercial equivalent part number is for basic design reference only. Not intended to be used as a substitute for the military part number.

# Military Qualified Product Listing

## MIL-F-15160 Fuses - Instruments, Power and Telephone

**Military Standard MIL-F-15160/39**

F39A and F39B Series are inactive for new design after December 1990.

**Military Standard MIL-F-15160/40**

F40A and F40B Series are inactive for new design after December 1990.

**Military Standard MIL-F-15160/50**

F50A Series was cancelled without replacement on June 2000.

**Military Standard MIL-F-15160/52**

F52A Series was cancelled without replacement on January 1990.

**Military Standard MIL-F-15160/60**  
**1<sup>3</sup>/<sub>32</sub>" x 1<sup>1</sup>/<sub>2</sub>" Fuses**

F60C500V<sup>1</sup>/<sub>8</sub>A  
F60C500V<sup>1</sup>/<sub>4</sub>A  
F60C500V<sup>3</sup>/<sub>8</sub>A  
F60C500V<sup>1</sup>/<sub>2</sub>A  
F60C500V<sup>3</sup>/<sub>4</sub>A  
F60C500V1A  
F60C500V2A  
F60C500V3A  
F60C500V5A  
F60C500V6A  
F60C500V8A  
F60C500V10A  
F60C500V15A  
F60C500V20A  
F60C500V25A  
F60C500V30A

\*\*\* Commercial version is KLM Series. See Data Sheet 2020 for more information.

**Military Standard MIL-F-15160/61**  
**9/<sub>16</sub>" x 2" Fuses**

F61C500V1A  
F61C500V2A  
F61C500V3A  
F61C500V5A  
F61C500V6A  
F61C500V8A  
F61C500V10A  
F61C500V15A  
F61C500V20A  
F61C500V25A  
F61C500V30A

\*\*\* Commercial version is KLC Series.

**Military Standard MIL-F-15160/62**  
**13/16" x 3" Fuses**

F62C500V35A  
F62C500V40A  
F62C500V45A  
F62C500V50A  
F62C500V60A

\*\*\* Commercial version is KLC Series.

**Military Standard MIL-F-15160/63**  
**1" x 5<sup>7</sup>/<sub>8</sub>" Fuses**

F63C500V70A  
F63C500V80A  
F63C500V90A  
F63C500V100A

**Military Standard MIL-F-15160/64**  
**1<sup>1</sup>/<sub>2</sub>" x 7<sup>7</sup>/<sub>8</sub>" Fuses**

F64C500V110A  
F64C500V125A  
F64C500V150A  
F64C500V175A  
F64C500V200A

**Military Standard MIL-F-15160/65**  
**2" x 8<sup>5</sup>/<sub>8</sub>" Fuses**

F65C500V225A  
F65C500V250A  
F65C500V300A  
F65C500V350A  
F65C500V400A

**Military Standard MIL-F-15160/66**  
**2<sup>1</sup>/<sub>2</sub>" x 11<sup>5</sup>/<sub>8</sub>" Fuses**

F66C500V450A  
F66C500V500A  
F66C500V600A

Note: When silver-plated fuse caps are required, simply suffix the letter "S" to the Type Designation Number; i.e., "F02A250V<sup>1</sup>/<sub>8</sub>AS."

\*Indicates a product not available with silver-plated caps.

\*\*Indicates a product available only with silver-plated caps.

\*\*\* Commercial equivalent part number is for basic design reference only. Not intended to be used as a substitute for the military part number.

**Military Standard MIL-F-15160/67**

F67A Series was cancelled without replacement on October 1986.

**Military Standard MIL-F-15160/70**

F70A Series was cancelled without replacement on October 1990.

**Military Standard MIL-F-15160/71**

F71A Series was cancelled without replacement on October 1990.

**Military Standard MIL-F-15160/72**

F72A Series was cancelled without replacement on January 1990.

**Military Standard MIL-F-15160/73**

F73A Series was cancelled without replacement on January 1990.

**Military Standard MIL-F-15160/74**

F74A Series was cancelled without replacement on January 1990.

**Military Standard MIL-F-15160/76**

F76A Series was cancelled without replacement on January 1990.

**Military Standard MIL-F-15160/77**

F77A Series was cancelled without replacement on June 2000.

The only controlled copy of this Data Sheet is the electronic read-only version located on the Cooper Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Cooper Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Cooper Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.