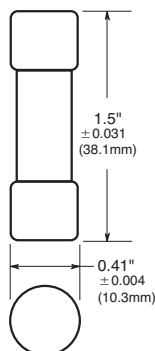


Fast-Acting $1\frac{3}{32}$ " x $1\frac{1}{2}$ " (10x38mm) Midget Fuses, 600Vac/dc, $\frac{1}{10}$ –30A KLM Series



Dimensions - in (mm)

**Catalog Symbol:** KLM**Fast-Acting** $\frac{1}{10}$ –30A**UL Listed:** STD. 248-14, (FILE #E19180,
GUIDE #JDYX)**CSA Certified,** C22.2 NO. 248. 14 (CLASS #1422-01,
FILE #53787)**Interrupting Ratings:** 100kA at 600Vac
50kA at 600Vdc**Electrical Ratings (Catalog Symbol and Amps) IR 100kA AC**

KLM- $\frac{1}{10}$	KLM- $\frac{1}{8}$	KLM-2	KLM-6	KLM-12
KLM- $\frac{1}{4}$	KLM- $\frac{3}{8}$	KLM-2- $\frac{1}{2}$	KLM-7	KLM-15
KLM- $\frac{1}{2}$	KLM-1	KLM-3	KLM-8	KLM-20
KLM- $\frac{3}{4}$	KLM-1- $\frac{1}{4}$	KLM-4	KLM-9	KLM-25
KLM-30	KLM-1- $\frac{1}{2}$	KLM-5	KLM-10	KLM-30

Designed To:

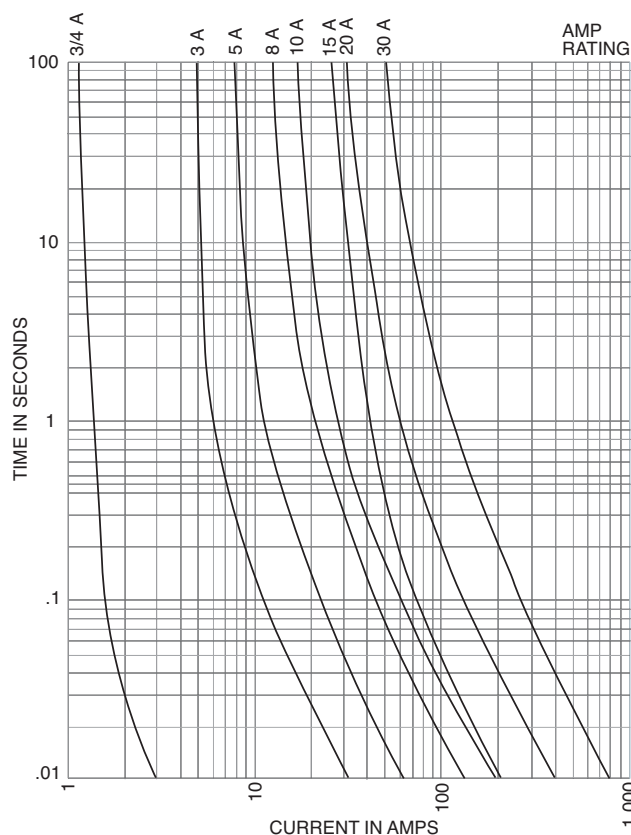
Fuses:	Designed to:
KLM $\frac{1}{10}$ thru 30	Carry 110% of rating for 4 hours AC Opens at 135% of rating within 1 hour AC Maximum Interrupting Rating of 100kA at 600Vac DC Maximum Interrupting Rating of 50kA at 600Vdc DC Minimum Interrupting Rating of 200% rated current at 600Vdc.

Carton Quantity and Weight

Amp Ratings	Carton Qty.	Weight	
		Lbs.	Kg.
0-30	10	0.187	0.088

- A full range DC midget fuse.
- Melamine tube.
- Nickel-plated brass endcaps.

Time-Current Characteristic Curves—Total Clearing

**Recommended fuse blocks/fuse holders**
See Data Sheets listed below

- Open fuse blocks - 1104, 2104
- Finger-safe fuse holders - 1109, 1102, 1103, 2053
- Panel-mount fuse holders - 2114, 2113, 2108, 2112, 2109, 2140
- In-line fuse holders - 2127, 2126

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Military Qualified Product Listing

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

Military Standard MIL-F-15160/01 1/4" x 1" Fuses F01A125V^{1/10}A* F01A125V^{3/4}A F01A125V^{9/10}A F01A125V1A F01A125V1^{1/4}A F01A125V1^{1/2}A F01A125V1^{9/10}A* F01A125V2A F01A125V2^{1/2}A F01A125V3A F01A125V3^{3/10}A F01A125V4A F01A125V5A F01A250V^{1/2}A *** Commercial version is AGX Series. See Data Sheet 2041 for more information.	Military Standard MIL-F-15160/02 1/4" x 1 1/4" Fuses F02A32V15A F02A32V20A F02A32V25A F02A32V30A F02B32V8A F02B32V10A F02B32V12A F02B32V15A F02A125V8A F02A125V10A F02A250V^{1/2}A F02A250V^{9/10}AS** F02A250V^{3/4}A F02A250V1A F02A250V1^{1/4}A F02A250V1^{1/2}A F02A250V1^{9/10}A F02A250V2A F02A250V2^{1/2}A F02A250V3A F02A250V4A F02A250V5A F02A250V6A *** Commercial version is AGC Series. See Data Sheet 2001 for more information.	Military Standard MIL-F-15160/02 1/4" x 1 1/4" Fuses F02B125V4A F02B125V5A F02B125V6^{1/4}A F02B125V7A F02B250V^{15/100}A F02B250V^{3/10}A F02B250V^{2/10}A F02B250V^{1/4}A F02B250V^{3/10}A F02B250V^{3/8}A F02B250V^{4/10}A* F02B250V^{1/2}A F02B250V^{9/10}A F02B250V^{7/10}A F02B250V^{3/4}A F02B250V^{9/10}A F02B250V1A F02B250V1^{1/4}A F02B250V1^{1/2}A F02B250V1^{9/10}A F02B250V2A F02B250V2^{1/2}A F02B250V2^{9/10}S** F02B250V3A F02B250V3^{3/10}A* *** Commercial version is MDL Series. See Data Sheet 2004 for more information.	Military Standard MIL-F-15160/03 1/4" x 1 1/4" Fuses F03A125V20A F03A125V25A F03A125V30A F03A250V1A F03A250V1^{1/4}A F03A250V1^{1/2}A F03A250V2A F03A250V3A F03A250V4A F03A250V5A F03A250V6A F03A250V8A F03A250V10A F03A250V12A F03A250V15A *** Commercial version is ABC Series. See Data Sheet 2000 for more information.		
Military Standard MIL-F-15160/03 1/4"x 1 1/4" Fuses F03B125V4A F03B125V5A F03B125V6^{1/4}A F03B125V7A F03B125V8A F03B125V10A F03B125V12A F03B125V15A F03B125V20A F03B125V25A F03B125V30A F03B250V^{1/10}A F03B250V^{1/8}A F03B250V^{15/100}A F03B250V^{3/10}A F03B250V^{1/4}A F03B250V^{3/10}A* F03B250V^{3/8}A F03B250V^{1/2}A F03B250V^{9/10}A F03B250V^{3/4}A F03B250V^{9/10}A* F03B250V1A F03B250V1^{1/4}A F03B250V1^{1/2}A F03B250V1^{9/10}A F03B250V2A F03B250V2^{1/2}A* F03B250V2^{9/10}A* F03B250V3A F03B250V3^{3/10}A *** Commercial version is MDA Series. See Data Sheet 2002 for more information.	Military Standard MIL-F-15160/09 13/32" x 1 1/2" Fuses F09A250V1A F09A250V2A F09A250V3A F09A250V3^{1/2}A F09A250V4AS** F09A250V5A F09A250V6A F09A250V6^{1/4}AS** F09A250V7A F09A250V8A F09A250V10A F09A250V15A F09A250V20A F09A250V25A F09A250V30A *** Commercial version is BAN Series. See Data Sheet 2046 for more information.	Military Standard MIL-F-15160/05 F05A and F05B series cancelled without replacement on January 1976.	Military Standard MIL-F-15160/06 F06A and F06B series are inactive for new design after January 1970. Non-military equivalent is ABS Series.	Military Standard MIL-F-15160/07 F07A and F07B series are inactive for new design after January 1970. Non-military equivalent is AGU Series.	Military Standard MIL-F-15160/09 13/32" x 1 1/2" Fuses F09B32V20A* F09B32V25A F09B32V30A F09B125V15A F09B250V^{1/10}A** F09B250V^{15/100}A F09B250V^{2/10}A F09B250V^{3/10}A F09B250V^{3/10}A* F09B250V^{9/10}A F09B250V1A F09B250V1^{1/4}A F09B250V1^{9/10}A F09B250V2A F09B250V2^{1/2}A F09B250V2^{9/10}S** F09B250V3^{3/10}A F09B250V3^{1/2}AS** F09B250V4A F09B250V5A F09B250V5^{9/10}A F09B250V6^{1/4}A F09B250V8A F09B250V10A *** 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^{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

Note: When silver-plated fuse caps are required, simply suffix the letter "S" to the Type Designation Number; i.e., "F02A250V^{1/10}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-15160/10 $\frac{13}{32}$ " x $1\frac{1}{2}$ " Fuses F10A250V1A F10A250V2A F10A250V3A F10A250V4AS** F10A250V5A F10A250V6AS** F10A250V8AS** F10A250V10A F10A250V15A F10A125V20AS** F10A125V30A* *** Commercial version is MIN Series. See Data Sheet 2047 for more information.	Military Standard MIL-F-15160/15 $\frac{9}{16}$ " x 2" Fuses F15A250V1A F15A250V3A F15A250V6A F15A250V10A F15A250V15A F15A250V20A F15A250V25A F15A250V30A	Military Standard MIL-F-15160/15 $\frac{9}{16}$ " x 2" Fuses F15BR250V1A F15BR250V1 $\frac{5}{16}$ A F15BR250V2A F15BR250V2 $\frac{1}{2}$ A F15BR250V3 $\frac{3}{16}$ AS** F15BR250V4AS** F15BR250V5A F15BR250V6 $\frac{1}{4}$ A* F15BR250V8A F15BR250V10A F15BR250V12A F15BR250V20A F15BR250V25A F15BR250V30A F15BR replaced F15B in October 1990. *** Commercial version is FRN-R Series. See Data Sheet 1019 for more information.	Military Standard MIL-F-15160/16 $\frac{13}{16}$ " x 3" Fuses F16A250V35A F16A250V40A F16A250V45A* F16A250V50A F16A250V60A
Military Standard MIL-F-15160/16 $\frac{13}{16}$ " x 3" Fuses F16BR250V35A F16BR250V40A F16BR250V45A F16BR250V50A F16BR250V60A F16BR replaced F16B in October 1990. *** Commercial version is FRN-R Series. See Data Sheet 1019 for more information.	Military Standard MIL-F-15160/19 1" x $5\frac{7}{8}$ " Fuses F19BR250V70A F19BR250V80A F19BR250V90A F19BR250V100A F19BR replaced F19B in October 1990. *** Commercial version is FRN-R Series. See Data Sheet 1020 for more information.	Military Standard MIL-F-15160/20 1 $\frac{1}{2}$ " x $7\frac{1}{8}$ " Fuses F20BR250V110A F20BR250V125A F20BR250V150A F20BR250V175A F20BR250V200A F20BR replaced F20B in October 1990. *** Commercial version is FRN-R Series. See Data Sheet 1020 for more information.	Military Standard MIL-F-15160/27 F27A Series is inactive for new design after December 1990. Military Standard MIL-F-15160/28 F28A Series is inactive for new design after December 1990. Military Standard MIL-F-15160/29 F29A Series is inactive for new design after December 1990. Military Standard MIL-F-15160/30 F30A Series is inactive for new design after December 1990. Military Standard MIL-F-15160/36 F36A and F36B Series are inactive for new design after December 1990. Military Standard MIL-F-15160/37 F37A and F37B Series are inactive for new design after December 1990. Military Standard MIL-F-15160/38 F38A and F38B Series are inactive for new design after December 1990.

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
1³/₃₂" x 1¹/₂" Fuses

F60C500V¹/₈A
F60C500V¹/₄A
F60C500V³/₈A
F60C500V¹/₂A
F60C500V³/₄A
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
9/₁₆" 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 5⁷/₈" Fuses

F63C500V70A
F63C500V80A
F63C500V90A
F63C500V100A

Military Standard MIL-F-15160/64
1¹/₂" x 7¹/₈" Fuses

F64C500V110A
F64C500V125A
F64C500V150A
F64C500V175A
F64C500V200A

Military Standard MIL-F-15160/65
2" x 8⁵/₈" Fuses

F65C500V225A
F65C500V250A
F65C500V300A
F65C500V350A
F65C500V400A

Military Standard MIL-F-15160/66
2¹/₂" x 11⁵/₈" Fuses

F66C500V450A
F66C500V500A
F66C500V600A

Note: When silver-plated fuse caps are required, simply suffix the letter "S" to the Type Designation Number; i.e., "F02A250V¹/₈AS."

*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.

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