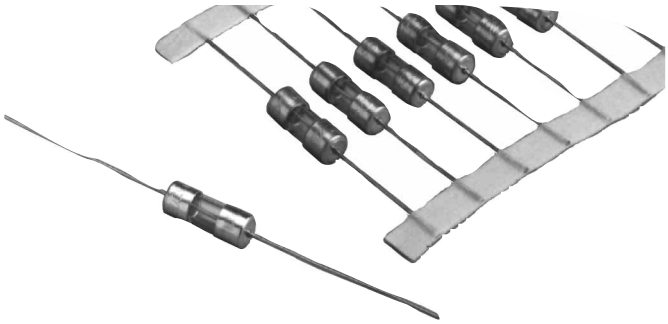
Time-Delay Axial Leaded

5mm x 15mm Glass Fuses

C515



Agency File Numbers: UL Listing: Guide # JDYX, File E75865.
CSA Certification: Class 1422-01, File LR65063.
UL Recognized: Guide # JDYX2, File E75865.

Product Symbol: C515

Physical Fuse Size: 5 x 15mm

Limits for Pre-arcing Time/UL Listed Fuses.

	135%	200%	
Amp Ratings	**MAX**	**MIN**	**MAX**
125mA - 7A	60 min.	3 sec.	2 min.

Limits for Pre-arcing Time/UL Recognized Fuses.

	350mA	600mA	2A	6A
Amp Ratings	**MIN**	**MAX**	**MAX**	**MAX**
350mA	240 min.	90 sec.	2 sec.	500 millisec.

Mechanical Characteristics:

Materials: Endcaps are silver-plated brass; leads are tin-plated copper and tube is glass.
Optional sleeve is flexible fluoropolymer (UL Flammability rating VW-1). The tube will self extinguish within one minute. 25% maximum flag burn per ASTM Flammability Test ASTM D2671 Procedure C.

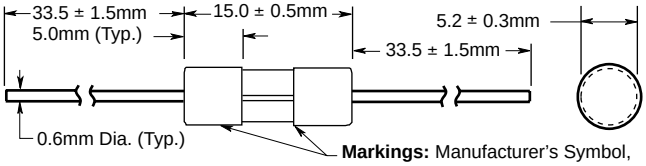
Lead Pull: Leads will withstand a seven pound pull applied axially to the lead for five seconds.

Lead Bend: Leads will be bent 90 degrees in one direction, back to original direction, then 90 degrees in the opposite direction and return to the cycle. Leads will withstand two cycles. The bending is to be done with a two pound weight attached to the end of the lead.

Temp. Range: -55°C to +85°C with proper derating.

Weight: 1000 = 1.33kg.

Dimensional Data



Dimensions are in Millimeters (mm)

Markings: Manufacturer's Symbol, Product Symbol, Voltage, Ampere, Testing Agency Mark (Optional)

Telecommunication Capabilities:

UL 1459: Telephone Equipment
Fuses successfully opened:
600 Volts (AC) 40 Amps
600 Volts (AC) 7 Amps
600 Volts (AC) 2.2 Amps

UL 497: Protectors for Paired Conductor Communication Circuits
Fuses successfully passed without opening:
10 x 1000 microsecond waveform
†50 pulses/1 pulse every 8 seconds
@ 1000V

Fuse Rating	Peak Current (A)
250mA	12.5
350mA	19.5
375mA	20.0
500mA	28.5
600mA	36.5
750mA	49.0
1A	66.5
1.25A	100.0

† Fuse resistance was not allowed to vary by more than five percent after completion of the test.

Packaging & Ordering Information:

	C515		—	
	Product Symbol	**Blank** - Standard **S -** Transparent sleeve for sealed fuses.		**Ampere Rating**
Package Code **BK/** Bulk Package (100 pcs) **TR/** Tape & Reel (500 pcs) **TR1/** Tape & Reel (1,000 pcs) **TR2/** Tape & Reel (1,500 pcs) **NOTE:** Tape & Reel Packaging per EIA 296-E (10.2mm Component Pitch and 52.4mm Tape-to-Tape Spacing)				125mA 250mA 350mA 375mA 500mA 600mA 750mA 1A 1.25A 1.5A 1.6A 2A 2.25A 2.5A 3A 3.5A 4A 5A 7A

CE logo denotes compliance with European Union Low Voltage Directive (50-1000V AC, 75-1500V DC). Refer to BIF document #8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.

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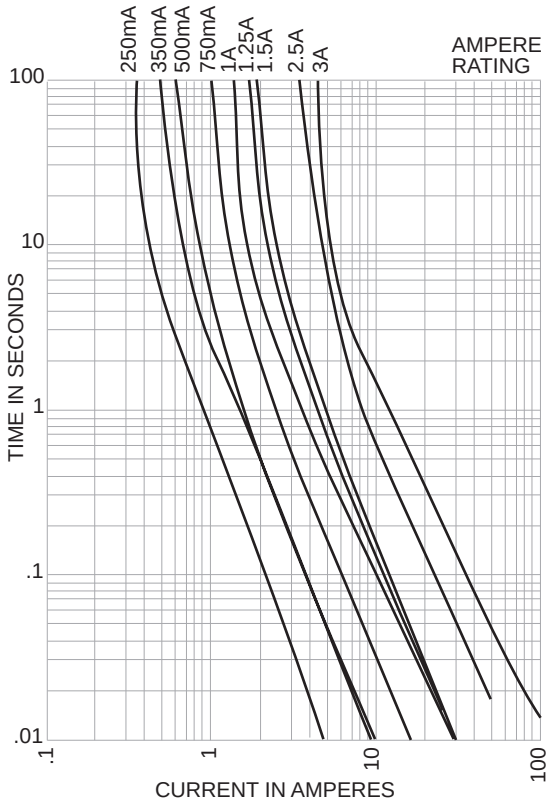
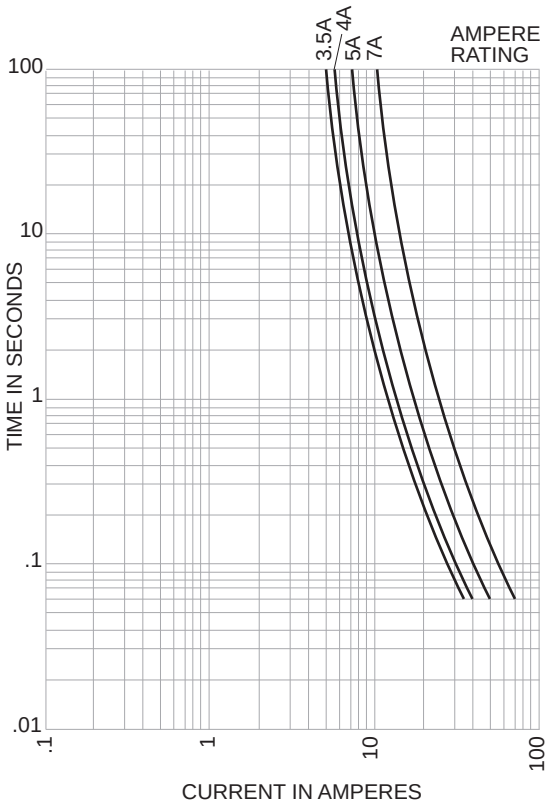
5mm x 15mm Glass Fuses

C515

Time-Current Characteristic Curves–Average Melt (Full Size Curves Available)



Time-Current Characteristic Curves–Average Melt (Full Size Curves Available)



Electrical Characteristics:

Current Rating	Rated Voltage (V)AC	AIR	Voltage Drop (mV) max.	Pre-arcing Value (I^2t) (A^2s) Typ.	U.L.	U.R.	CSA
125mA		35A/250V 10kA/125V AC	1200	0.039	•		•
250mA		p.f. = 0.7 - 0.8	630	0.18	•		•
350mA		35A/250V 10kA/125V AC 25A/600V p.f. = 0.7 - 0.8	520	0.9		•	
375mA			490	0.9	•		•
500mA		35A/250V AC	410	1.1	•		•
600mA		10kA/125V AC	350	2.7	•		•
750mA	250V	p.f. = 0.7 - 0.8	300	2.7	•		•
1A			250	6.4	•		•
1.25A			220	7.6	•		•
1.5A			200	13	•		•
1.6A		100A/250V AC	200	14	•		•
2A		10ka/125V AC	200	27	•		•
2.25A		p.f. = 0.7 - 0.8	200	31	•		•
2.5A			190	42	•		•
3A			190	94	•		•
3.5A			180	94		•	
4A		400A/125V AC	150	145		•	
5A	125V	p.f. = 1.0	150	230		•	
7A			140	540		•	

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