

5 x 20mm Fast-acting Glass Tube Fuses GMA Series

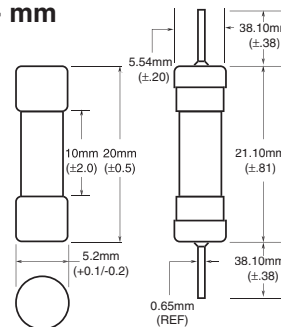


Description

- Fast-acting, low breaking capacity
- Optional axial leads available
- 5 x 20mm physical size
- Glass tube, silver-plated (63mA-315mA) and nickel-plated (500mA-15A) brass endcap construction
- Designed to UL/CSA 248-14

Electrical Characteristics		
Rated Current	% of Amp Rating	Opening Time
63mA - 15A	100%	None
	135%	60 minutes maximum
	200%	2 minutes maximum

Dimensions - mm



- Ratings above 6.3A have a 0.8mm diameter lead
- With TR2 packaging code, lead wire length is 19.05mm

Agency Information

- UL Listed, Guide JDYX, File E19180, 63mA-6A
- UL Recognized, Guide JDYX2, File E19180, 7-15A
- CSA Certified, Class 1422-01, File 53787, 63mA-6A
- PSE Approval, 1A-15A

Ordering

- Specify packaging, product, and option code

Specifications

Product Code	Amp Rating	Voltage Rating Vac	Interrupting Rating (amps)*		Typical DC Cold Resistance (Ω)**	Typical Pre-Arc I [†] t Vac†	Maximum Voltage Drop (mV)‡
			250Vac	125Vac			
GMA-63-R	63mA	250	35	10,000	15.750	0.00024	4700
GMA-100-R	100mA	250	35	10,000	7.840	0.0001	4300
GMA-125-R	125mA	250	35	10,000	4.895	0.0024	2600
GMA-200-R	200mA	250	35	10,000	2.500	0.001	3400
GMA-250-R	250mA	250	35	10,000	1.735	0.018	2200
GMA-300-R	300mA	250	35	10,000	0.906	0.019	470
GMA-315-R	315mA	250	35	10,000	0.839	0.019	450
GMA-500-R	500mA	250	35	10,000	0.454	0.15	230
GMA-600-R	600mA	250	35	10,000	0.256	0.32	200
GMA-750-R	750mA	250	35	10,000	0.186	0.47	200
GMA-800-R	800mA	250	35	10,000	0.170	0.70	180
GMA-1-R	1	250	35	10,000	0.163	0.48	300
GMA-1.25-R	1.25	250	100	10,000	0.122	0.84	290
GMA-1.5-R	1.5	250	100	10,000	0.090	1.6	270
GMA-1.6-R	1.6	250	100	10,000	0.080	2.0	260
GMA-2-R	2	250	100	10,000	0.066	3.1	250
GMA-2.5-R	2.5	250	100	10,000	0.046	4.9	240
GMA-3-R	3	250	100	10,000	0.039	8.8	215
GMA-3.15-R	3.15	125	-	10,000	0.036	9.7	210
GMA-3.5-R	3.5	125	-	10,000	0.030	13	210
GMA-4-R	4	125	-	10,000	0.026	19	205
GMA-5-R	5	125	-	10,000	0.021	29	200
GMA-6-R	6	125	-	10,000	0.017	45	180
GMA-7-R	7	125	-	200	0.012	150	110
GMA-8-R	8	125	-	200	0.009	280	110
GMA-10-R	10	125	-	200	0.006	280	110
GMA-15-R	15	125	-	150	0.004	950	100

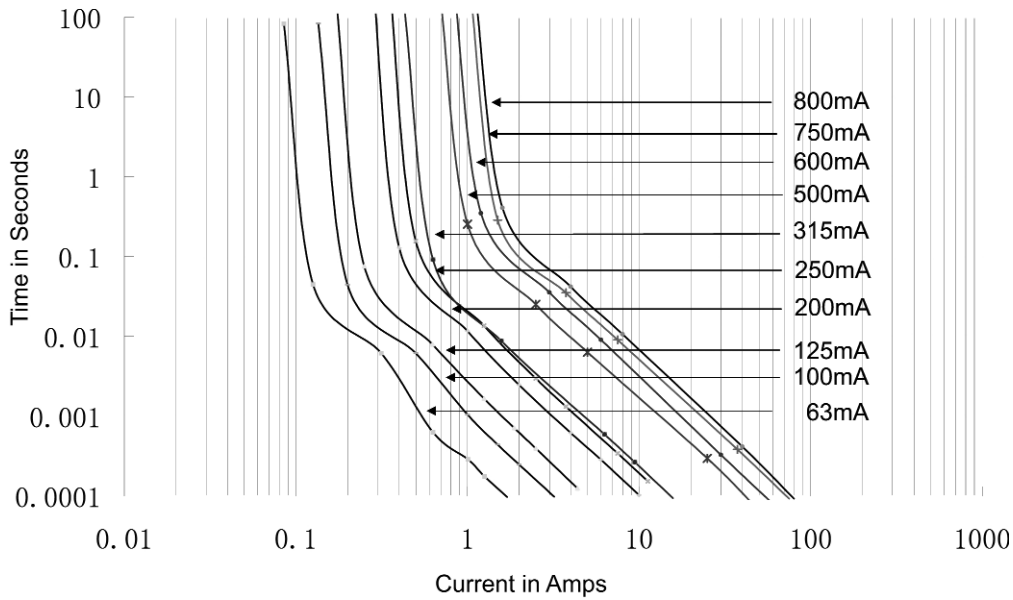
* Interrupting ratings: Interrupting ratings for 63mA - 6A were measured at 70% - 80% power factor on AC. The interrupting ratings for 7A - 15A were measured at 100% power factor on AC.

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

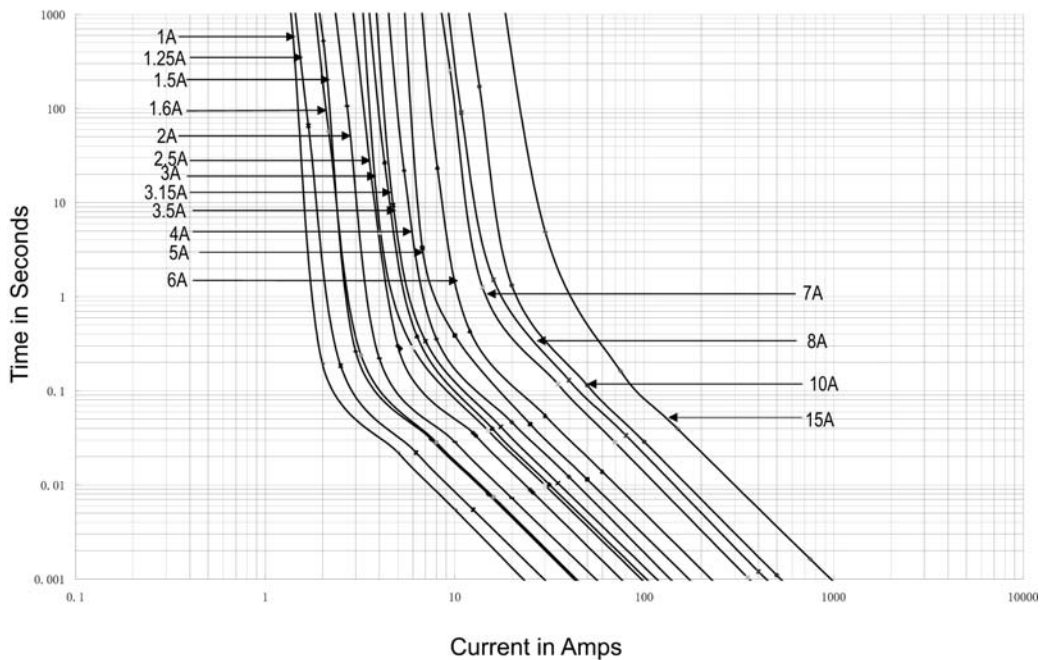
† Typical Pre-Arching I[†]t (I[†]t was measured at listed interrupting rating and rated voltage)

‡ Maximum Voltage drop (Voltage drop was measured at 20°C ambient temperature at rated current)

Time-Current Curve – GMA-R 63mA-800mA



Time-Current Curve – GMA-R 1-15A



Packaging Code

Packaging Code	Description
BK	100 fuses packed into a cardboard carton
BK1	1000 fuses packed into a poly bag
TR2	1500 fuses packed into tape on a reel (19.05mm lead wire length)

Option Code

Option Code	Description
V	Axial leads - copper tinned wire with nickel-plated brass overcaps

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cooper Bussmann:

[BK/GMA-V-100MA](#) [BK/GMA-V-4A](#) [BK/GMA-V-200MA](#) [BK/GMA-V-750MA](#) [BK/GMA-V-500MA](#) [BK/GMA-V-1.5A](#)
[BK/GMA-V-600MA](#) [BK/GMA-V-3A](#) [BK/GMA-V-300MA](#) [BK/GMA-315MA](#) [BK/GMA-V-1.6-R](#) [BK/GMA-V-125-R](#)
[BK/GMA-V-300-R](#) [BK/GMA-V-4-R](#) [BK/GMA-V-600-R](#) [BK/GMA-V-63-R](#) [BK/GMA-V-7-R](#) [BK/GMA-V-800-R](#) [GMA-](#)
[100MA](#) [GMA-100-R](#) [GMA-125-R](#) [GMA-15A](#) [GMA-15-R](#) [GMA-1-R](#) [GMA-200-R](#) [GMA-250MA](#) [GMA-250-R](#) [GMA-2A](#)
[GMA-2-R](#) [GMA-300MA](#) [GMA-300-R](#) [GMA-315-R](#) [GMA-3-R](#) [GMA-4A](#) [GMA-4-R](#) [GMA-500MA](#) [GMA-500-R](#) [GMA-](#)
[5-R](#) [GMA-600MA](#) [GMA-600-R](#) [GMA-63-R](#) [GMA-6A](#) [GMA-6-R](#) [GMA-750MA](#) [GMA-750-R](#) [GMA-7A](#) [GMA-7-R](#)
[GMA-800MA](#) [GMA-800-R](#) [GMA-8A](#) [GMA-8-R](#) [GMA-200MA](#) [GMA-3-15ABC](#) [BK1-GMA-1-6-R](#) [BK1-GMA-2-5-R](#) [BK1-](#)
[GMA-3-5-R](#) [GMA-1-25A](#) [GMA-1-6A](#) [GMA-1-6-R](#) [GMA-2-5A](#) [GMA-2-5-R](#) [GMA-3-15A](#) [GMA-3-5A](#) [GMA-3-5-R](#) [BK1-](#)
[GMA-3-R](#) [BK1-GMA-500-R](#) [BK1-GMA-100-R](#) [BK1-GMA-10-R](#) [BK1-GMA-125-R](#) [BK1-GMA-15-R](#) [BK1-GMA-1-R](#)
[BK1-GMA-200-R](#) [BK1-GMA-250-R](#) [BK1-GMA-2-R](#) [BK1-GMA-300-R](#) [BK1-GMA-315-R](#) [BK1-GMA-4A](#) [BK1-GMA-4-R](#)
[BK1-GMA-5-R](#) [BK1-GMA-600-R](#) [BK1-GMA-63-R](#) [BK1-GMA-6-R](#) [BK1-GMA-750-R](#) [BK1-GMA-7-R](#) [BK1-GMA-800-R](#)
[BK1-GMA-8-R](#) [BK-GMA-6ARX](#) [BK/GMA-V-125MA](#) [BK/GMA-V-250MA](#) [BK/GMA-V-5A](#) [BK/GMA-V-2A](#) [BK/GMA-V-](#)
[1.6A](#) [BK/GMA-V-2.5A](#) [BK/GMA-V-800MA](#) [BK/GMA-V-8A](#) [BK/GMA-V-15A](#) [BK/GMA-V-10A](#) [BK/GMA-V-7A](#) [BK/GMA-](#)
[V-1.25A](#) [BK/GMA-V-3.5A](#)