

# ¼" x 1 ¼" Glass Tube Fuses

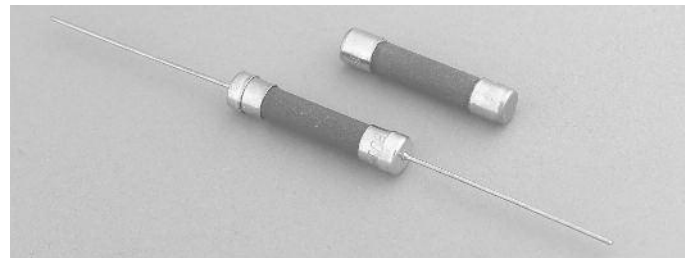
ABC Series, Fast-Acting, Ceramic Tube



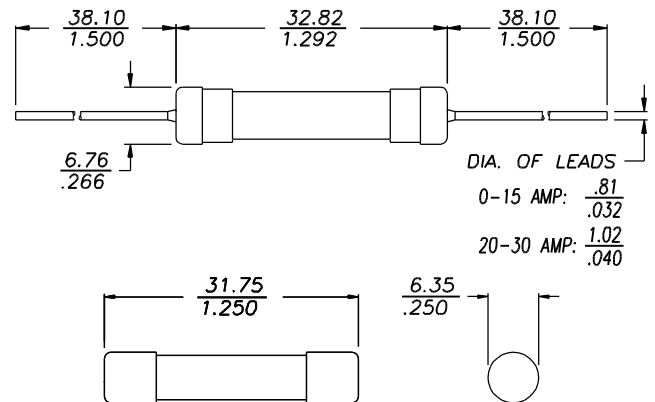
## Description

- Fast-acting, ceramic tube
- Optional axial leads available
- ¼" x 1 ¼" (6.4 x 31.7mm) physical size
- Ceramic tube, nickel-plated brass endcap construction
- UL Listed product meets standard 248-14

ELECTRICAL CHARACTERISTICS	
% of Amp Rating	Opening Time
100%	4 Hours Minimum
135%	60 Minutes maximum
200%	120 Seconds Maximum



**Dimensions - mm**  
Drawing Not to Scale



## Agency Information

- UL Listed Guide JDYX & File E19180
- UL Recognition Guide JDYX2 & File E19180
- CSA Certification: Class No: 1422-01 & 1422-30, File 53787

## Environmental Data

- Shock: ¼A - 30A – MIL-STD-202, Method 213, Test Condition J
- Vibration: ¼A - 30A – MIL-STD-202, Method 204, Test Condition C (Except 5g, 500Hz)

## Ordering

- Specify packaging, product and option code

Part Number	Specifications											
	Voltage Ratings		Vac Interrupting Ratings* (amps)		Vdc Interrupting Ratings (amps)		Typical DC Cold Resistance (Ω)**	Typical Pre-Arc I <sup>2</sup> t AC†	Typical Voltage Drop (V)‡	Agency Approvals		
	Vac	Vdc	250	125	125	75				UL	UR	CSA
ABC-¼-R	250	125	35	10,000	10,000	—	2.950	0.0020	0.35	X		X
ABC-½-R	250	125	35	10,000	10,000	—	0.587	0.0390	0.41	X		X
ABC-¾-R	250	125	35	10,000	10,000	—	0.300	0.1450	0.32	X		X
ABC-1-R	250	125	35	10,000	10,000	—	0.1950	0.4310	0.3	X		X
ABC-1-½-R	250	125	100	10,000	10,000	—	0.131	1.1630	0.28	X		X
ABC-2-R	250	125	100	10,000	10,000	—	0.0890	2.1670	0.31	X		X
ABC-2-½-R	250	125	100	10,000	10,000	—	0.061	4.4670	0.23	X		X
ABC-3-R	250	125	100	10,000	10,000	—	0.047	6.55	0.14	X		X
ABC-4-R	250	125	200	10,000	10,000	—	0.031	22.28	0.17	X		X
ABC-5-R	250	125	200	10,000	10,000	—	0.026	32.83	0.22	X		X
ABC-6-R	250	125	200	10,000	10,000	—	0.021	58	0.19	X		X
ABC-7-R	250	125	200	10,000	10,000	—	0.016	109.33	0.17	X		X
ABC-8-R	250	125	200	10,000	10,000	—	0.014	116.5	0.19	X		X
ABC-10-R	250	125	200	10,000	10,000	—	0.011	208.8	0.15	X		X
ABC-12-R	250	125	750	10,000	10,000	—	0.0068	133.3	0.1	X		X
ABC-15-R	250	125	750	10,000	10,000	—	0.00553	200.2	0.1	X		X
ABC-18-R	250	—	400	1000	—	—	0.00465	400	0.1		X	X
ABC-20-R	250	125	400	1000	10,000	—	0.00366	550.8	0.1		X	X
ABC-25-R	250	125	200	1000	400	1000	0.0028	839.3	0.09	X		X**
ABC-30-R	250	125	200	1000	400	1000	0.002225	1429	0.09		X	X**

\* Interrupting ratings measured at 70% - 80% power factor on AC. The interrupting ratings for 18A and 20A were measured at 85% - 95% power factor on AC. The interrupting ratings for 25A and 30A were measured at 89% power factor on AC.

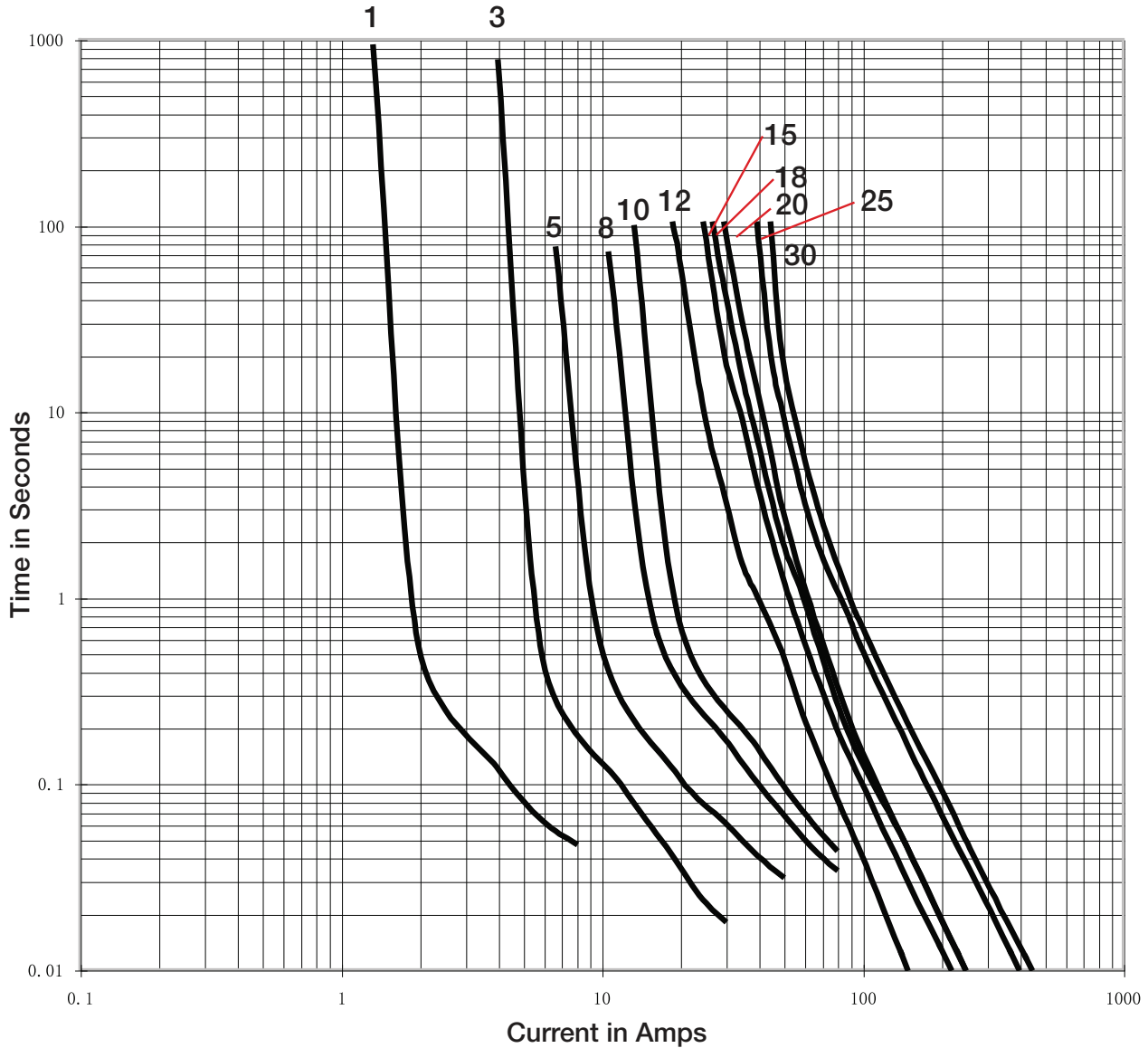
\*\* Typical DC cold resistance measured at <10% of rated current.

† Typical melting I<sup>2</sup>t measured at listed interrupting rating and rated voltage.

‡ Typical voltage drop measured at 25°C±3°C ambient temperature at rated current.

‡‡ CSA approvals for 25A and 30A are at 125Vac - IR 1000A and 125Vdc - IR 400A (IR 1000A at 75Vdc)

## Time-Current Curves



PACKAGING CODE	
Packaging Code	Description
BK	100 pieces of fuses packed into a cardboard carton
BK1	1000 pieces of fuses packed into a cardboard carton
BK8	8000 pieces of fuses packed into a cardboard carton

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

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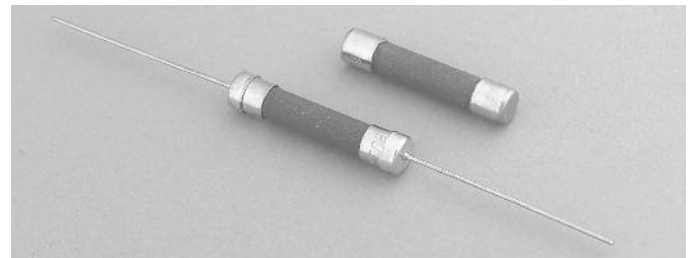
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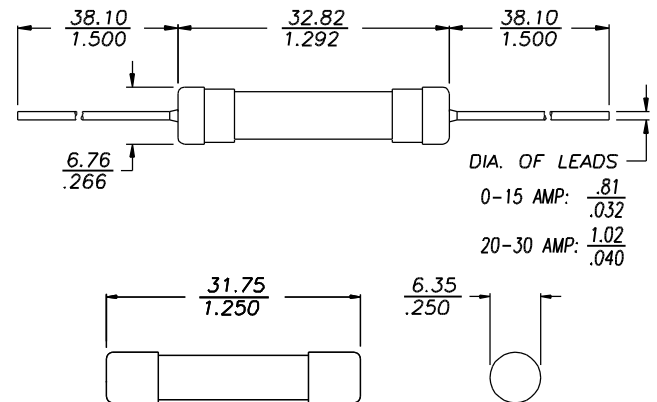
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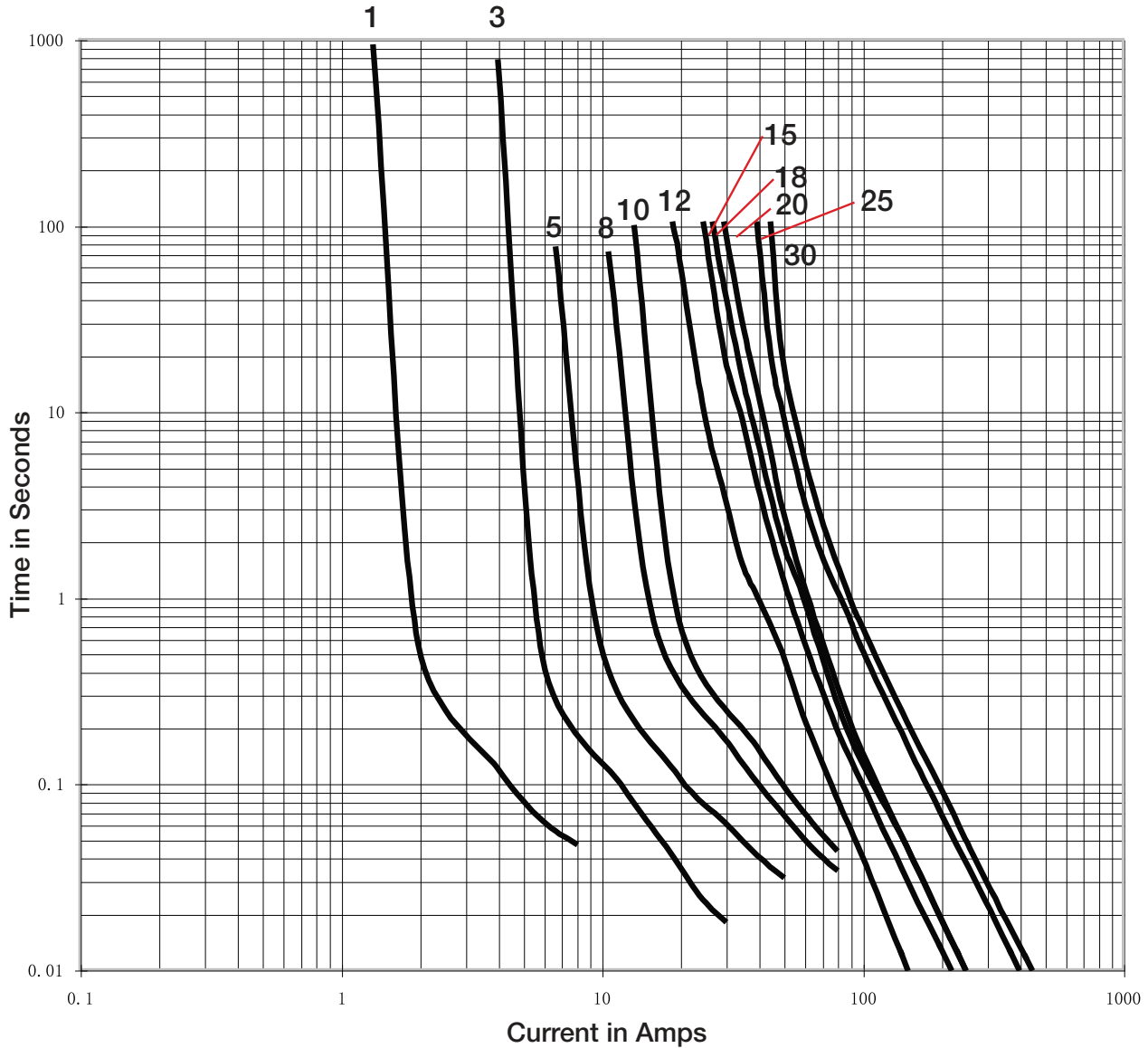
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