

INDIVIDUAL SPECIFICATION SHEET

Product Name: 600VAC/500VDC 5x20mm Fast Acting Ceramic Tube Fuses

Part Number: 5HVA Series

Revision: A/1



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Rev.	Effective Date	Changed Contents
A/0	2022-9-27	New Release
A/1	2023-1-3	Update Template

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PREPARED BY

APPROVED BY

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Description

- Ceramic tube, Silver plated copper cap construction
- One time positive disconnect
- 5x20mm physical size
- Available axial lead options
- Lead Free and Halogen free material

Regulation/Standard



Features

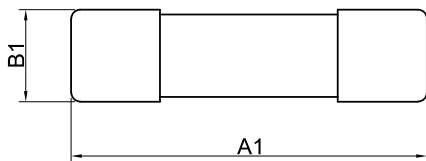
- Fast Acting, high breaking capacity
- 0.4 A to 20 A current ratings
- 200A AC Interrupting Rating
- 300A DC Interrupting Rating
- Designed to UL248-1 / UL248-13
- AEC-Q200 Automotive Grade Certified

Electrical Characteristics		
Rated Current	100% In	200% In
400mA-20A	4hour min	120s max

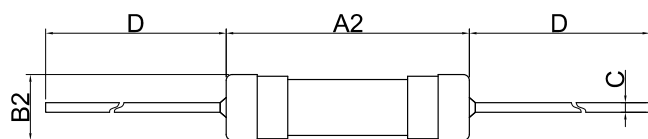
Note: In is the rated current

Dimensions (Unit: mm)

5HVA.XX



5HVA.XXP



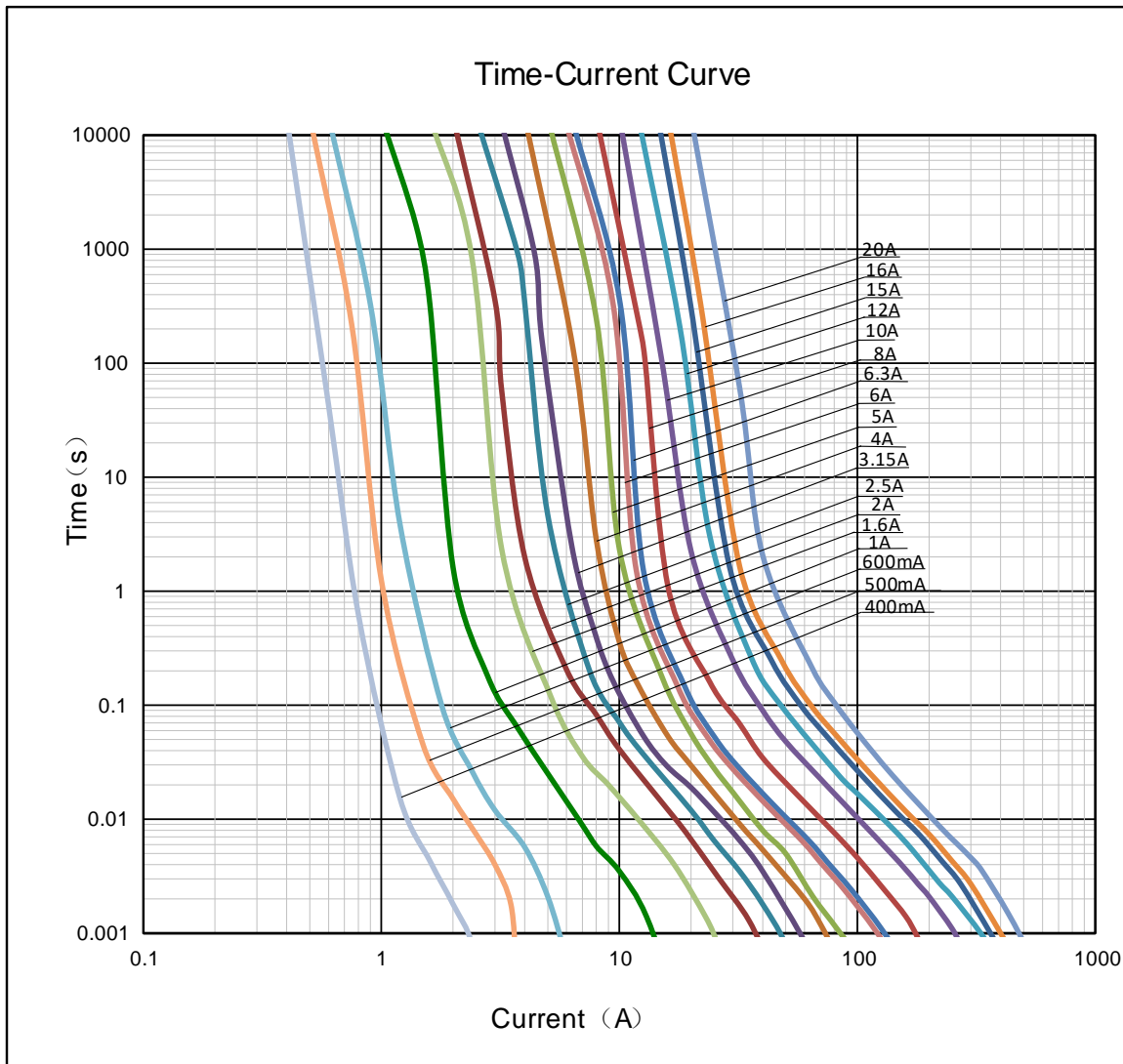
Item	A1	B1	A2	B2	C	D
Spec.(mm)	20±0.5	5.2 ^{+0.1} _{-0.2}	21±1.0	Φ5.5±0.2	Φ0.65 (In < 6.3A) Φ0.80 (6.3A ≤ In ≤ 20A)	38±2.0

Electrical Characteristics

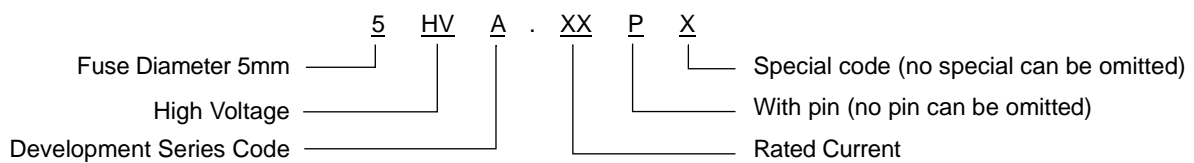
Part No.	Electrical Characteristics					
	Rated Current(A)	Rated Voltage	Breaking Capacity	Typical Cold Resistance(mΩ)	Typical Voltage Drop(mV)	Typical Pre - Arcing I ² t (A ² S)
5HVA.0.4	400mA	600VAC 500VDC	200A@600VAC 300A@500VDC	663	278	0.172
5HVA.0.5	500mA	600VAC 500VDC	200A@600VAC 300A@500VDC	382	190	0.287
5HVA.0.6	600mA	600VAC 500VDC	200A@600VAC 300A@500VDC	360	234	0.396
5HVA.1	1A	600VAC 500VDC	200A@600VAC 300A@500VDC	230	280	0.28
5HVA.1.6	1.6A	600VAC 500VDC	200A@600VAC 300A@500VDC	148	310	2.56
5HVA.2	2A	600VAC 500VDC	200A@600VAC 300A@500VDC	100	248	1.68
5HVA.2.5	2.5A	600VAC 500VDC	200A@600VAC 300A@500VDC	90	360	1.48
5HVA.3.15	3.15A	600VAC 500VDC	200A@600VAC 300A@500VDC	49	215	4.86
5HVA.4	4A	600VAC 500VDC	200A@600VAC 300A@500VDC	38	220	8
5HVA.5	5A	600VAC 500VDC	200A@600VAC 300A@500VDC	29	200	16
5HVA.6	6A	600VAC 500VDC	200A@600VAC 300A@500VDC	24	150	30
5HVA.6.3	6.3A	600VAC 500VDC	200A@600VAC 300A@500VDC	19	162	48
5HVA.8	8A	600VAC 500VDC	200A@600VAC 300A@500VDC	14	149	64
5HVA.10	10A	600VAC 500VDC	200A@600VAC 300A@500VDC	12	166	90
5HVA.12	12A	600VAC 500VDC	200A@600VAC 300A@500VDC	9.5	160	130
5HVA.15	15A	600VAC 500VDC	200A@600VAC 300A@500VDC	7.3	165	225
5HVA.16	16A	600VAC 500VDC	200A@600VAC 300A@500VDC	6.8	164	256
5HVA.20	20A	600VAC 500VDC	200A@600VAC 300A@500VDC	5	150	520

- DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C
- Typical Pre-arcing I²t are measured at 10In Current

Time-Current Characteristics



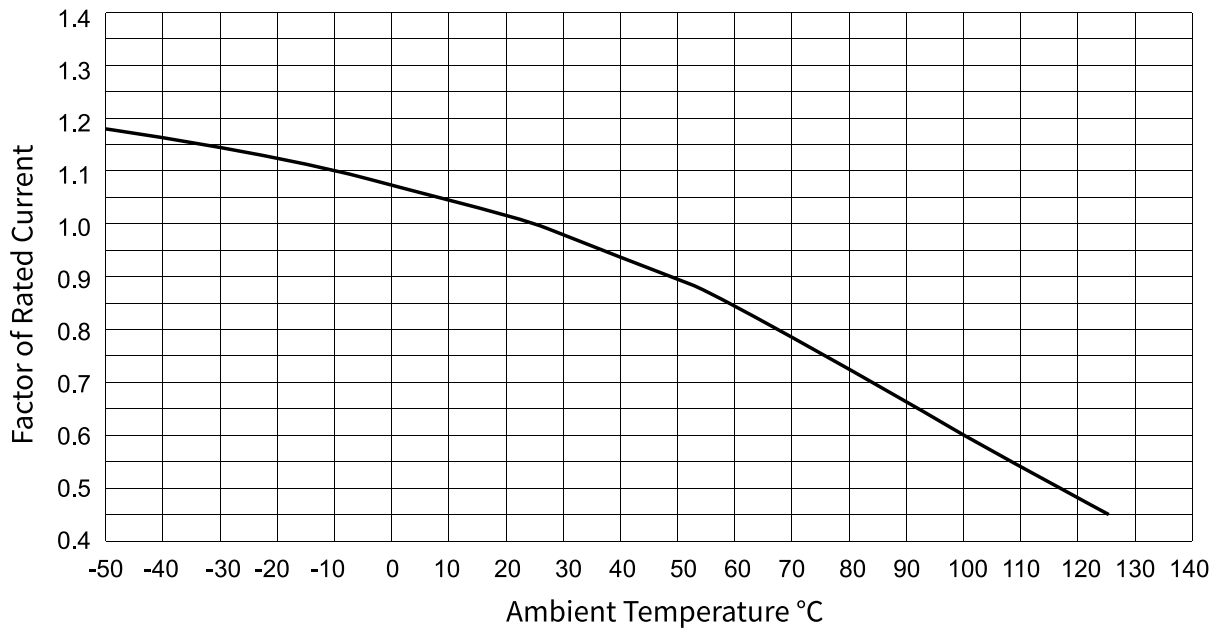
Product Ordering Number System



-X Note:

1. Pin extension: L
2. Body heat-shrinkable sleeve: B
3. The molding is pin-type: P

Temperature Re-rating curve



Package

Package: 50pcs/bag