



600Vac 5x20mm Time Delay  
Ceramic Tube Fuses

DOC.NO.:  
ISS-5HVB Series

# INDIVIDUAL SPECIFICATION SHEET

**Product Name:** 600Vac 5x20mm Time Delay Ceramic Tube Fuses

**Part Number:** 5HVB Series

**Revision:** A



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Rev.	Effective Date	Changed Contents
A	2018-4-27	New release

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## Description

- Time Delay, high breaking capacity
- 5x20mm physical size
- Ceramic tube, Silver plated copper cap construction
- Lead Free and Halogen free material

Electrical Characteristics						
Rated Current	1.5In	2.1In	2.75In	3.0In	4.0In	10.0In
< 1A	1 hour min.	N/A	N/A	120sec max	N/A	N/A
1A - 3.15A	1 hour min.	30min. max.	750ms – 80sec	N/A	95ms – 5sec	10ms – 150ms
4A - 6.3A	1 hour min.	30min. max.	750ms – 80sec	N/A	150ms – 5sec	10ms – 150ms
8A - 20A	30min. min.	30min. max.	750ms – 80sec	N/A	150ms – 8sec	10ms – 150ms

## Specifications

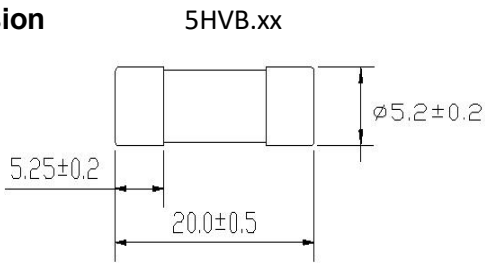
Part No.	Specification									Certification *	
	Rate Voltag		Rate Current	Breaking Capacity (A)			Typical Cold. Resistance (mOhms)	Typical Voltage Drop (mV)	Typical Pre- Arcing I <sup>2</sup> t (A <sup>2</sup> Sec)	cURus	TUV
	AC	DC		600Vac	400Vdc	500Vdc					
5HVB.0.5	600V	400V 500V	500mA	200A	2000A	300A	382	190	0.287	•	
5HVB.0.63			630mA				359	261	0.34	•	
5HVB.0.8			800mA				175	144	1.18	•	
5HVB.1			1A				210	250	1.4	•	•
5HVB.1.25			1.25A				134	138	2.34	•	
5HVB.1.6			1.6A				100	180	3.9	•	•
5HVB.2			2A				65	158	9.4	•	•
5HVB.2.5			2.5A				34	93	12.5	•	
5HVB.3.15			3.15A				28	110	17.8	•	•
5HVB.4			4A				24	118	25	•	•
5HVB.5			5A				17	104	50	•	•
5HVB.6.3			6.3A				13	100	80	•	•
5HVB.8			8A				9	85	179	•	•
5HVB.10			10A				7.6	90	400	•	•
5HVB.12			12A	6	80	576	•	○			
5HVB.15			15A	4.3	75	900	•	○			
5HVB.16			16A	3.7	68	1024	•	○			
5HVB.20			20A	3.3	75	1600	•	○			

\*DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C

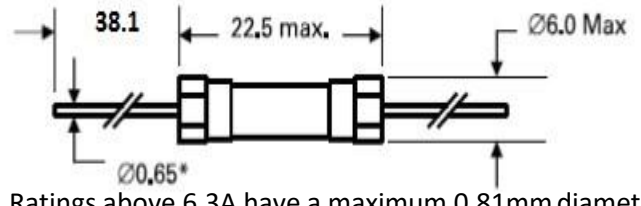
\* Typical Pre-arcing I<sup>2</sup>t are measured at 10In Current

\* 12A-20A TUV certification is on-going

**Dimension**



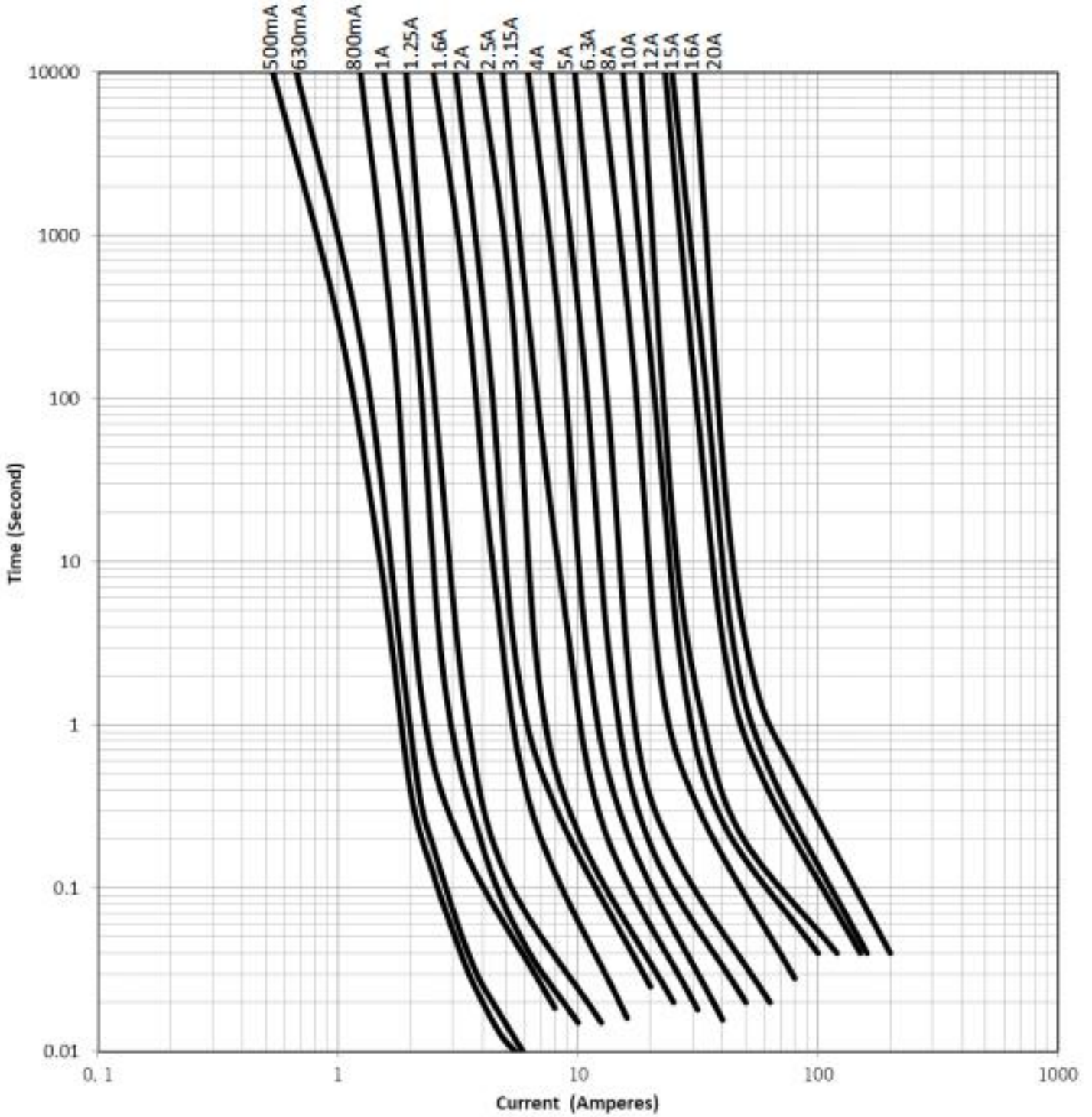
**5HVB.xxP**



Ratings above 6.3A have a maximum 0.81mm diameter

**Time-Current Characteristics**

**Time Current Curve**



**Package**

cylindrical : (1A-3A) 40 pcs in one carton; other ratings is 500 pcs in one bag  
 Leaded : 100 pcs in one carton.

