

承 认 书

APPROVAL SHEET

编 号 No.	ST6080-075-2M-A/1-T
日期 Date	2024.07.25

客 户 Customer	
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品 名 Product	Gas Discharge Tube
系 列 Series	ST6080

料号 Part No.	规格描述 Specification	备注 Remark
贝特电子 Betterfuse		
客 户 Customer		

环保特别提示 Special instructions for environmental protection
本产品:

供应商-贝特电子 Supplier-Betterfuse		零件承认章 Approval Signet	客 户 Customer	零件承认章 Approval Signet
制 作 Make	Hongkun Huang			
审 核 Check	Wenhua Yan			
确 认 Approval	Zujiang Wang			

联络 Contact			
业务 Sales	电话 Telephone	手机 Cellphone	邮箱 E-mail
零件承认后敬请回签一份给我司留存, 或将承认后的封面传真 (0769-8352 1857) 至我司, 谢谢!			



Document Record

NO.	Date	Modified Content	Page	Edition	Prepared/modified by	Checked by
1	2022.07.02	Draft		A/0	Hongkun Huang	Fei Gao
2	2024.07.25	Add a description of the operating temperature	3	A/1	Hongkun Huang	Wenhua Yan
3						
4						
5						

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1. SCOPE AND DESCRIPTION



- Small Size Design $\Phi 8 \times 6\text{mm}$
- Current Handling Capability: 20000A@8/20us
- Low Capacitance and insertion loss
- Fast Response and long service life
- Pb-free(RoHS compliant) package
- Moisture sensitivity level:Level 1
- Storage and operational temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

2. APPLICATION

- CATV modem, Telecom protection Splitters
- Hub Hpirgohtefcrteiqoune,nSceycusriigtnyalsytsrtaenmssmitters/receivers.Telecom CPE
- XDSL Splitter and Audio systems XDSL

3. PART NUMBERING SYSTEM

3.1 Part Number

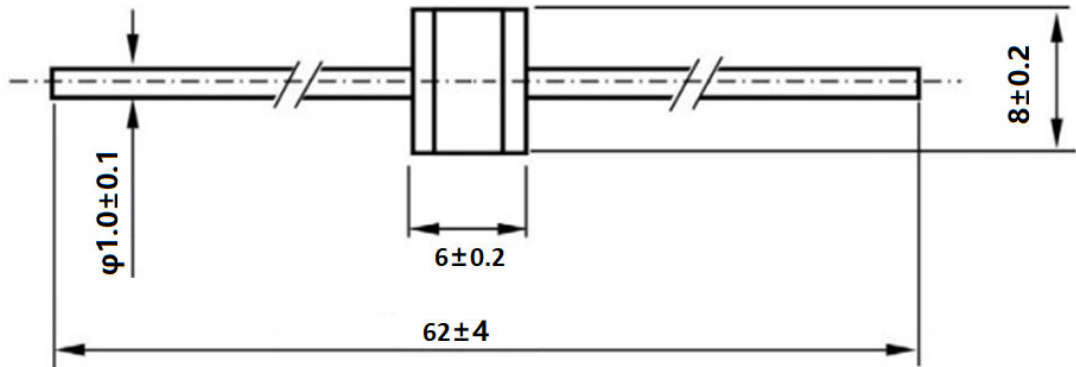
Example:ST60800752M0

ST6080	075	2M0
↓	↓	↓
1	2	3
1 .Product Series.....	ST6080	
2 .DC Spark-Over voltage	075	
3 .Supplementary Code.....	2M0	

4. PRODUCT SIZE DRAWING

Package outline

Unit: mm



5. ELECTRICAL SPECIFICATIONS

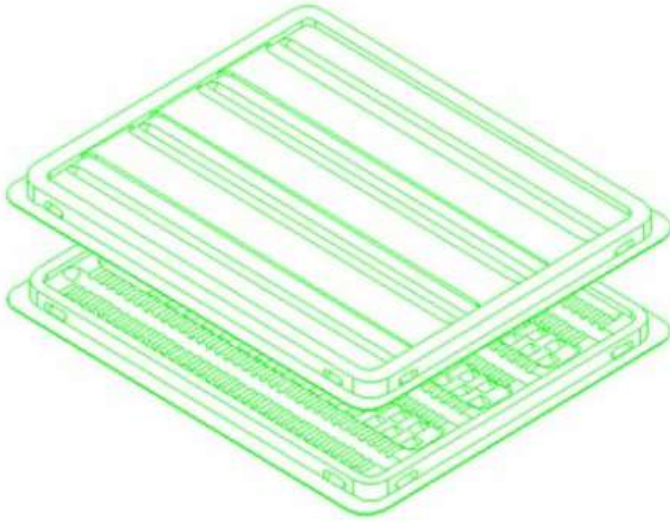
Electrical Characteristics

Catalog Number	DC Spark-Over voltage 100V/S	Impulse Spark-Over voltage 1KV/us max	Nom impulse discharge current 8/20 ± 5T (60S)	Insulation Resistance	Capacitance 1MHZ <6V
ST6080-075-2M	75 ± 30% V	700V	20000A	50V > 1000M Ω	<1pF
ST6080-091-2M	90 ± 30% V	650V	20000A	50V > 1000M Ω	<1pF
ST6080-151-2M	150 ± 20% V	600V	20000A	50V > 1000M Ω	<1pF
ST6080-201-2M	200 ± 20% V	600V	20000A	100V > 1000M Ω	<1pF
ST6080-231-2M	230 ± 20% V	700V	20000A	100V > 1000M Ω	<1pF
ST6080-301-2M	300 ± 20% V	800V	20000A	100V > 1000M Ω	<1pF
ST6080-351-2M	350 ± 20% V	900V	20000A	100V > 1000M Ω	<1pF
ST6080-421-2M	420 ± 20% V	1100V	20000A	100V > 1000M Ω	<1pF
ST6080-471-2M	470 ± 20% V	1200V	20000A	100V > 1000M Ω	<1pF
ST6080-601-2M	600 ± 20% V	1400V	20000A	100V > 1000M Ω	<1pF
ST6080-801-2M	800 ± 20% V	1600V	20000A	100V > 1000M Ω	<1pF
ST6080-102-2M	1000 ± 20% V	1800V	20000A	100V > 1000M Ω	<1pF



6. PACKING INFORMATION

Standard Packing



100 PCS /PVC 500 PCS/box 5000 PCS/carton