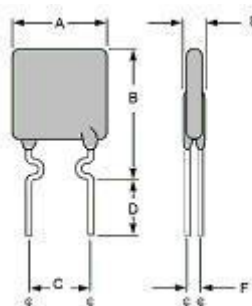


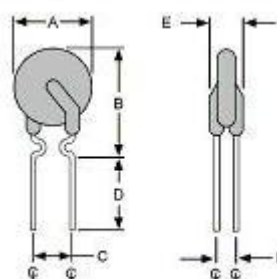




#### 4. Production Dimensions (millimeter)

**Fig.1**

Lead Size: 24AWG

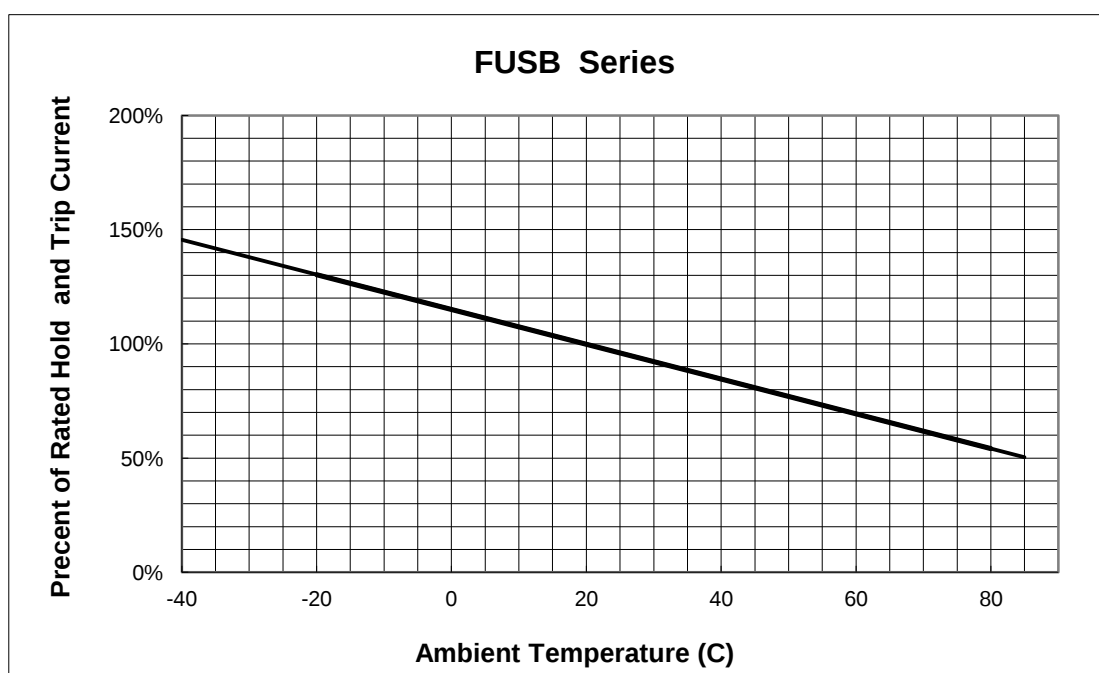
 $\Phi$  0.51 mm Diameter**Fig.2**

Lead Size: 24AWG

 $\Phi$  0.51 mm Diameter

| Part Number | Fig | A       | B       | C       | D       | E       | F       |
|-------------|-----|---------|---------|---------|---------|---------|---------|
|             |     | Maximum | Maximum | Typical | Minimum | Maximum | Typical |
| FUSB075F    | 2   | 6.9     | 11.4    | 5.1     | 7.6     | 3.0     | 0.8     |
| FUSB090F    | 1   | 7.4     | 12.2    | 5.1     | 7.6     | 3.0     | 0.8     |
| FUSB110F    | 1   | 7.4     | 14.2    | 5.1     | 7.6     | 3.0     | 0.8     |
| FUSB120F    | 2   | 6.9     | 11.7    | 5.1     | 7.6     | 3.0     | 0.8     |
| FUSB135F    | 1   | 8.9     | 13.5    | 5.1     | 7.6     | 3.0     | 0.8     |
| FUSB155F    | 2   | 6.9     | 11.7    | 5.1     | 7.6     | 3.0     | 0.8     |
| FUSB160F    | 1   | 8.9     | 15.2    | 5.1     | 7.6     | 3.0     | 0.8     |
| FUSB185F    | 1   | 10.2    | 15.7    | 5.1     | 7.6     | 3.0     | 0.8     |
| FUSB250F    | 1   | 11.4    | 18.3    | 5.1     | 7.6     | 3.0     | 0.8     |

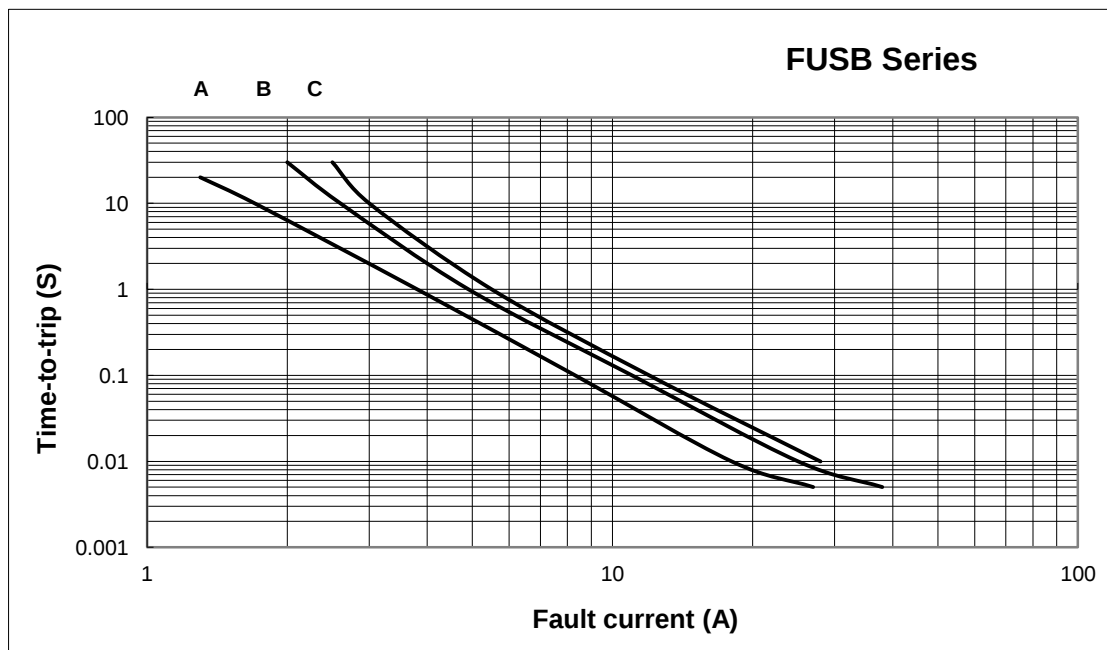
#### 5. Thermal Derating Curve



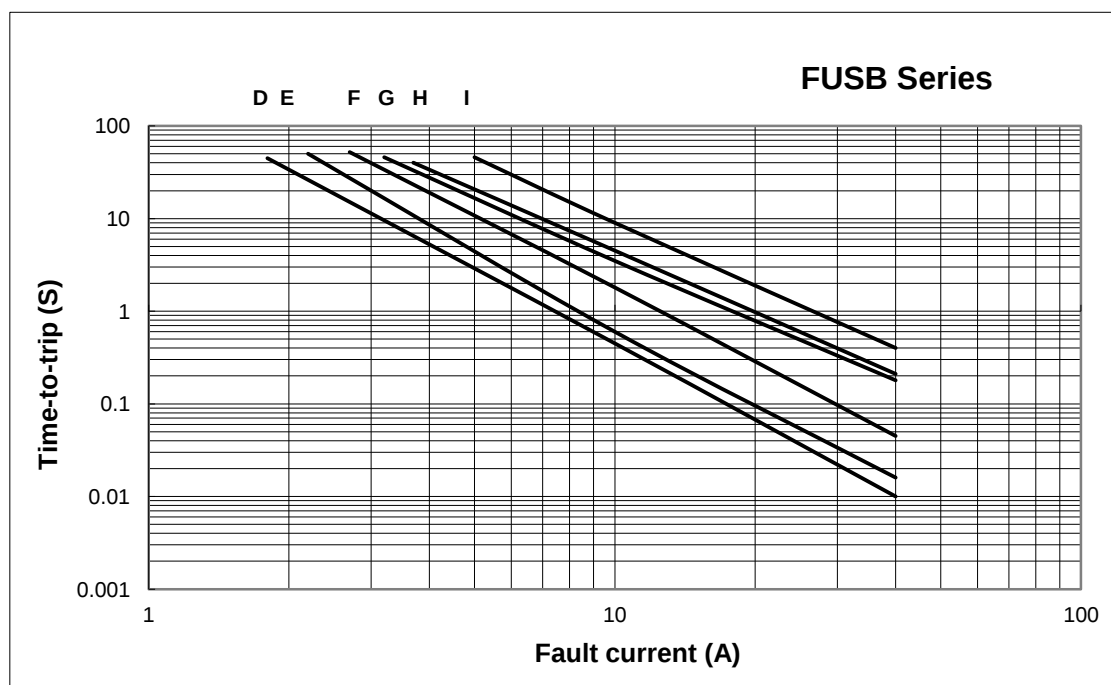


## 6. Typical Time-To-Trip at 23°C

A = FUSB075F  
B = FUSB120F  
C = FUSB155F



D = FUSB090F  
E = FUSB110F  
F = FUSB135F  
G = FUSB160F  
H = FUSB185F  
I = FUSB250F



|                                                                                                                       |                |                  |             |            |
|-----------------------------------------------------------------------------------------------------------------------|----------------|------------------|-------------|------------|
|  <b>FUZETEC TECHNOLOGY CO., LTD.</b> | <b>NO.</b>     | <b>PQ05-101E</b> |             |            |
| <b>Product Specification and Approval Sheet</b>                                                                       | <b>Version</b> | <b>9</b>         | <b>Page</b> | <b>4/4</b> |

## 7. Material Specification

Lead material: Tin plated copper clad steel, 24 AWG

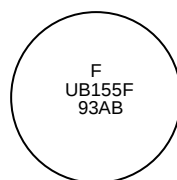
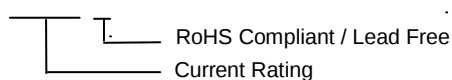
Soldering characteristics: MIL-STD-202, Method 208E

Insulating coating: Flame retardant epoxy ,meet UL-94V-0 requirement

## 8. Part Numbering and Marking System

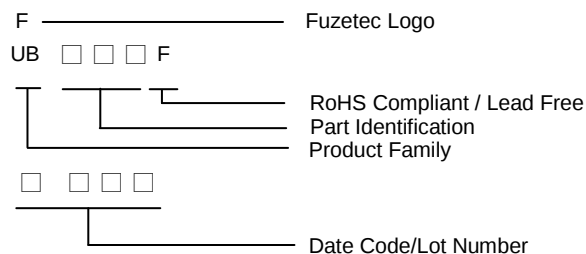
### Part Numbering System

F U S B □ □ □ F



Example

### Part Marking System



Note: Font on Marking may look slightly different due to fine turnings of each Marking printer.

**Warning:** - Each product should be carefully evaluated and tested for their suitability of application.



- Operation beyond the specified maximum rating or improper use may result in damage and possible electrical arcing and/or flame.
- PPTC device are intended for occasional overcurrent protection. Application for repeated overcurrent condition and/or prolonged trip are not anticipated.
- Avoid contact of PPTC device with chemical solvent, including some inert material such as silicone based oil, lubricant and etc. Prolonged contact will damage the device performance.
- Additional protection mechanism are strongly recommended to be used in conjunction with the PPTC device for protection against abnormal or failure conditions.
- Avoid use of PPTC device in a constrained space such as potting material, housing and containers where have limited space to accommodate device thermal expansion and/or contraction.

**NOTE :** Specification subject to change without notice.

2019/11/13