# APPROVAL SHEET

## Customer Information

| | |
|---|---|
| Customer : | |
| Part Name : | |
| Part No. : | |
| Model No. : | |

| COMPANY | PURCHASE | R&D |
|---|---|---|
| | | |

## Vendor Information

| | |
|---|---|
| Name: | SFI ELECTRONICS TECHNOLOGY CORP. INC. |
| Part Name | Gas Discharge Tube |
| Part No. | 2S075 |
| Lot No. | |

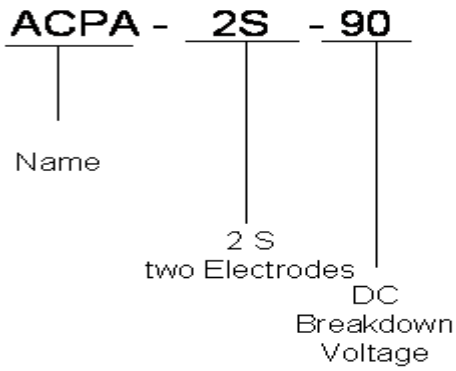
**SFI ELECTRONICS TECHNOLOGY INC.**

ADDRESS：No.6, Lane 340, Shan-Ying Road , Guishan,Tao Yuan Taiwan

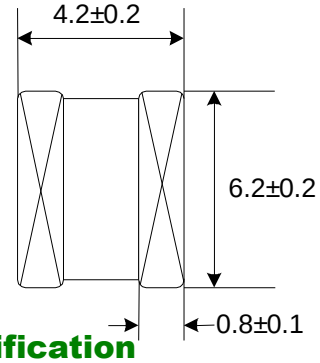
TEL: 886-3-3506998 FAX: 886-3-3507689 E-mail: sfi@sfi.com.tw

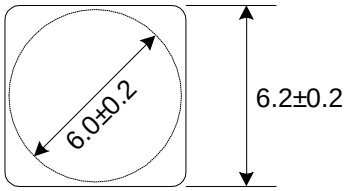
| Quality Control | Document Control | Business Issue | |
|---|---|---|---|
| TÜV CERT DIN EN ISO 9001 Certificate: 01 100 008833 | REV：A | Prepared | Check |
| | | | |

## PART NO. 2S-075

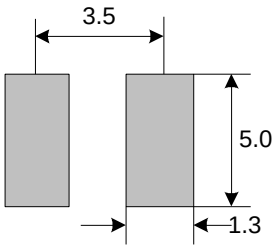



## 2. SIZE



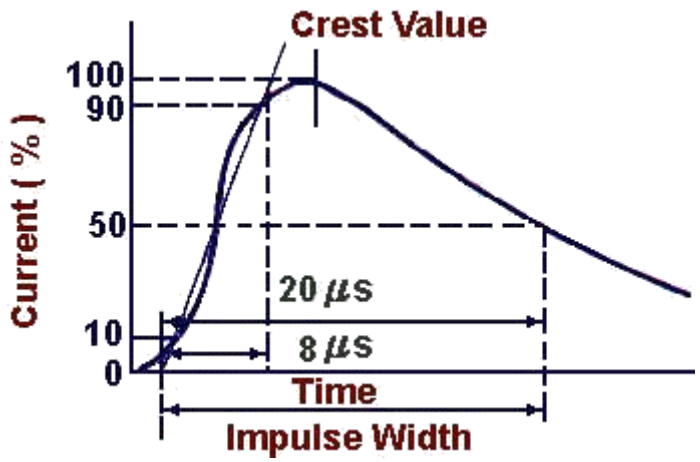

## 4. pad suggest




## 3. Specification

| DC Breakdown Voltage （V） | Maximum Impulse Breakdown Voltage（1000V/μs）（V） | | Maximum Impulse Discharge Current （8/20 μs）（KA） | | Alternating Discharge Current （A） | | DC Holdover Voltage （V） | Minimum Insulation Resistance （GΩ） | Maximum Capacitance （pf） |
|---|---|---|---|---|---|---|---|---|---|
| （100V/s） | 100V/us | 1000V/us | 1time | 10time | 50Hz, 1sec | Single 9cycles | <150ms | * | 1MHz |
| 75±20% | 600 | 700 | 8 | 5 | 5 | 15 | 52 | 1 | 0.8 |

## 4. ELECTRICAL RATING

| Item | Test Condition / Description | Requirement |
|---|---|---|
| DC Breakdown Voltage | The voltage is measured with a low rate of rise dv / dt ≒100 v/s | To meet the specified value |
| Maximum Impulse Breakdown Voltage | The maximum impulse breakdown voltage is measured with a rise time of dv / dt ≒1000 v/ μ s | |
| Maximum Impulse Discharge Current | The maximum current within gas tube voltage change of ±20% when one impulse is applied.<br>Applied waveform : 8/20 μ sec<br>  | |
| Maximum AC Discharge Current | Rated rms value of ac current at 50 Hz , 1sec.<br>Requirements of: Intervals: 3 min 2-electrode gas tube 9 discharges<br>3-electrode gas tube 10 discharges | |
| DC Holdover Voltage | The maximum DC voltage across the two terminals of gas tube under which it may be expected to return to the high impedance state after the gas tube breakdown. | |
| Insulation Resistance | The resistance of gas tube shall be measured each terminal to each other terminal. Applied voltage: gas tube dc breakdown voltage under 150V, the test voltage is 50V dc; with all other types at 100V dc. | |
| Capacitance | The capacitance of gas tube shall be measured each terminal to each other terminal. Test frequency : 1 MHZ<br>In measurements involving 3-electrode gas tubes ,the terminal not being tested shall be connected to a ground plane. | |