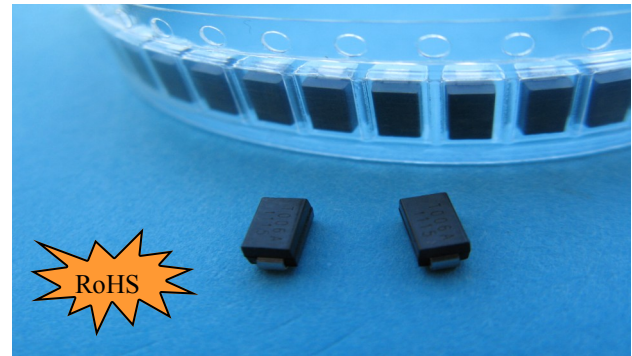


## T0060A/B/C Thyristor Surge Suppressor

### Description

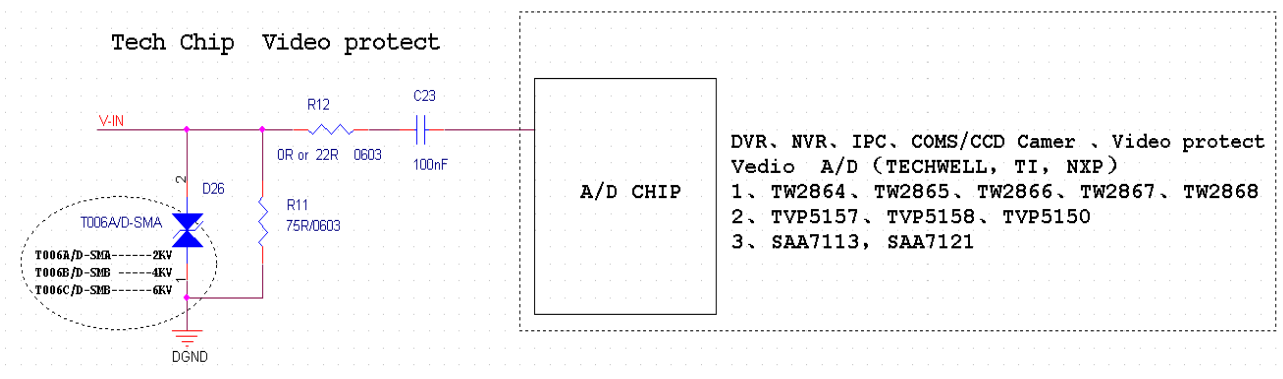
- ◆ Cannot be damaged by voltage.
- ◆ Eliminate hysteresis and heat dissipation typically found with clamping devices.
- ◆ Eliminate voltage overshoot caused by fast-rising transients.
- ◆ Are non-degenerative.
- ◆ Will not fatigue.
- ◆ Have low capacitance, making them ideal for high-speed transmission equipment



### Electrical Parameters @ T=25°C RH = 45%-75%

| Part Number | V <sub>DRM</sub> | I <sub>DRM</sub> | V <sub>S</sub> | I <sub>S</sub> | V <sub>T</sub> | I <sub>T</sub> | I <sub>H</sub> | C <sub>o</sub> | ITU-T K.21-2008 |
|-------------|------------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|
|             | V                | μA               | V              | mA             | V              | A              | mA             | pF             | KV              |
|             |                  | Max              | Max            |                | Max            |                | Min            | Max            | Max             |
| T0060A      | 6                | 5                | 25             | 800            | 4              | 1              | 40             | 35             | 2.5             |
| T0060B      | 6                | 5                | 25             | 800            | 4              | 1              | 40             | 45             | 4.5             |
| T0060C      | 6                | 5                | 25             | 800            | 4              | 1              | 15             | 80             | 6.5             |

- ◆ V<sub>S</sub> is measured at 100KV/S
- ◆ Off-state capacitance is measured in V<sub>DC</sub>=2V, V<sub>RMS</sub>=1V, F=1MHz
- ◆ All measurements are made at an ambient temperature of 25°C
- ◆ Rating Surge Current: 2KV/4KV/6KV(10/700μS), 50A /75A/100A(5/320μS)



### Description of Part Number

**T**      **006**      **A/B/C**

①

②

③

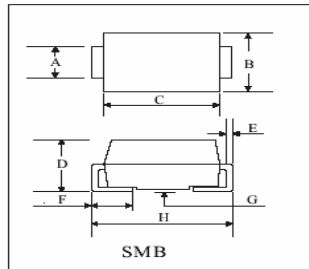
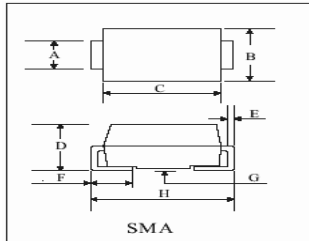
① Tech-chip Semiconductor Surge Arrester

② Series:0060

③ Package/Rating Surge Current: A:SMA/2KV; B:SMB/4KV; C:SMB/6KV;

## T0060A/B/C Thyristor Surge Suppressor

### Dimensions



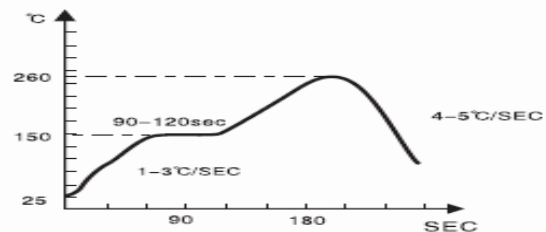
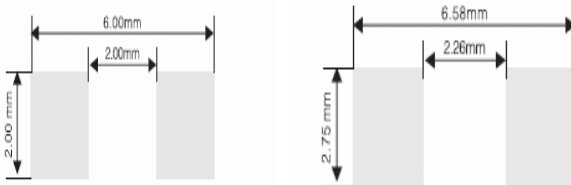
| Size | A (mm)    | B (mm)    | C (mm)    | D (mm)    |
|------|-----------|-----------|-----------|-----------|
| SMA  | 1.29-1.70 | 2.18-2.79 | 4.06-4.57 | 1.70-2.31 |
| Size | E (mm)    | F (mm)    | G (mm)    | H (mm)    |
| SMA  | 0.15-0.31 | 0.89-1.50 | 0.10-0.20 | 4.70-5.31 |
| Size | A (mm)    | B (mm)    | C (mm)    | D (mm)    |
| SMB  | 1.96-2.21 | 3.30-3.94 | 4.06-4.57 | 1.95-2.62 |
| Size | E (mm)    | F (mm)    | G (mm)    | H (mm)    |
| SMB  | 0.15-0.31 | 0.76-1.52 | 0.05-0.20 | 5.21-5.59 |

Marking:

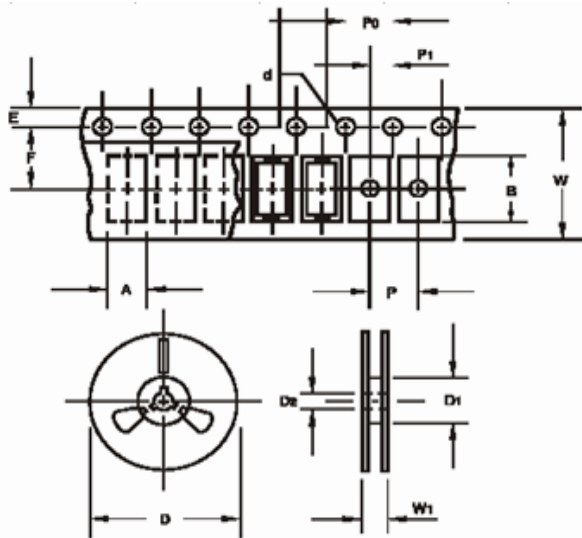
T006A /T006B /T006C ———Part Number

0912 Production Date:0912 means 12th weak ,2009

### RECOMMENDED SOLDERING PAD AND REFLOW PROFILE(SMA,SMB)



### PACKAGE REEL INFORMATION



#### SMA (DO-214AC)

| REF. | mm(inch)                  |
|------|---------------------------|
| A    | 2.6+/-0.15(.102+/-0.006)  |
| B    | 5.15+/-0.15(.203+/-0.006) |
| d    | 1.5+/-0.1(.059+/-0.004)   |
| D    | 330.0(13.0)               |
| D1   | 50Min                     |
| D2   | 13+/-0.5(.512+/-0.020)    |
| E    | 1.5+/-0.1(.059+/-0.004)   |
| F    | 5.65+/-0.05(.222+/-0.002) |
| P    | 4.0+/-0.1(.157+/-0.004)   |
| P0   | 4.0+/-0.1(.157+/-0.004)   |
| P1   | 2.0+/-0.1(.079+/-0.004)   |
| W    | 12.0+/-0.2(.472+/-0.008)  |
| W1   | 16.8+/-2.0(.661+/-0.079)  |

|     | OUT-LINE | REEL (PCS) | PER CARTON (PCS) | REEL DIAMETER (mm) | CARTON SIZE (mm) |     |     |
|-----|----------|------------|------------------|--------------------|------------------|-----|-----|
|     |          |            |                  |                    | L                | W   | H   |
| SMA | TAPING   | 5,000      | 40,000           | 330                | 360              | 360 | 360 |
| SMB | TAPING   | 2,500      | 20,000           | 330                | 360              | 360 | 360 |