



Changshu Talent
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SRV05-4

Features

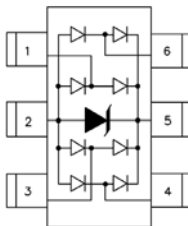
- Small package saves board space
- Peak pulse current(tp=8/20us): 6A
- Low leakage
- ESD protection to over 8kV contact discharge
- For space saving application
- Can handle multiple ESD strikes
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Junction & Storage Temperature: -55°C to +150°C

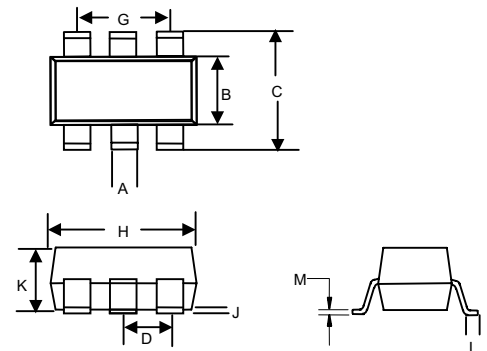
| Parameter | Symbol | Limits | unit |
|----------------------------------|--------|---------------------|------|
| IEC61000-4-2(ESD) Air Contact | | ± 15 ± 8 | KV |
| IEC61000-4-4 (EFT): @ 5/50ns | | 40 | A |

Pin Configuration



5 Volts ESD Protection Device

SOT-363



| DIM | DIMENSIONS | | | | NOTE |
|-----|------------|------|-------------|------|------|
| | INCHES | | MM | | |
| A | .006 | .014 | 0.15 | 0.35 | |
| B | .045 | .053 | 1.15 | 1.35 | |
| C | .081 | .096 | 2.05 | 2.45 | |
| D | .026 | | 0.65Nominal | | |
| G | .047 | .055 | 1.20 | 1.40 | |
| H | .071 | .087 | 1.80 | 2.20 | |
| J | --- | .004 | --- | 0.10 | |
| K | .035 | .043 | 0.90 | 1.10 | |
| L | .010 | .018 | 0.26 | 0.46 | |
| M | .003 | .006 | 0.08 | 0.15 | |



Electrical characteristics per line@25°C(unless otherwise specified)

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Units |
|---------------------------|-----------|--|------|------|------|---------------|
| Reverse stand-off voltage | V_{RWM} | Pin 5 to 2 | | | 5 | V |
| Reverse Breakdown voltage | V_{BR} | $I_t = 1\text{mA}$ (Pin 5 to 2) | 6 | | | V |
| Reverse Leakage Current | I_R | $V_{RWM} = 5\text{V}$ $T=25^\circ\text{C}$ (Pin 5 to 2) | | | 2 | μA |
| Clamping Voltage | V_C | $I_{PP}=1\text{A}$ $t_P = 8/20\mu\text{S}$ (Any Pin to 2) | | | 15 | V |
| Junction Capacitance | C_j | $V_R=0\text{V}$ $f = 1\text{MHz}$ (Any I/O pin to pin 2) | | 2.0 | | pF |
| | | $V_R=0\text{V}$ $f = 1\text{MHz}$ (Between I/O pins) | | 1.0 | | pF |