



Changshu Talent
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ESD2V8P8U

Features

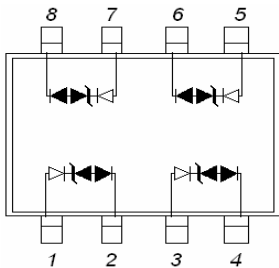
- 400 W Peak Pulse Power per Line (tp=8/20s)
- Protects two line pairs(four lines).
- Low capacitance
- Low Leakage Current
- For space saving application
- Low Operating and Clamping Voltages.
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Maximum Ratings

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

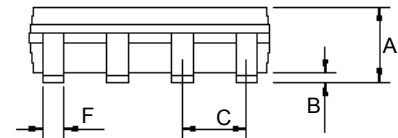
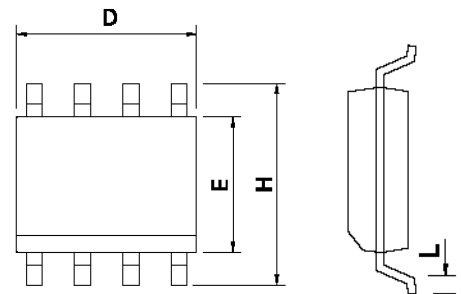
| Parameter | Symbol | Limits | unit |
|----------------------------------|--------|---------------------|------|
| IEC61000-4-2(ESD) Air Contact | | ± 15 ± 8 | KV |
| Peak Power Dissipation@8/20us | Ppk | 400 | W |

Pin Configuration



2.8 Volts ESD Protection Device

SOP-8



| DIM | DIMENSIONS | | | | NOTE |
|-----|------------|------|---------|------|------|
| | INCHES | | MM | | |
| A | .053 | .069 | 1.35 | 1.75 | |
| B | .004 | .010 | 0.10 | 0.25 | |
| C | 0.050BSC | | 1.27BSC | | |
| F | .013 | .020 | 0.33 | 0.51 | |
| D | .189 | .197 | 4.80 | 5.00 | |
| E | .150 | .157 | 3.80 | 4.00 | |
| H | .228 | .244 | 5.80 | 6.20 | |
| L | .016 | .040 | 0.40 | 1.04 | |



ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted,)

| Device* | Device Marking | V_{RWM} (V) | I_D (μ A) @ V_{RWM} | V_{BR} (V) @ I_T | | I_T mA | V_c (V) @Max $I_{PP}=1A$ | V_c (V) @Max $I_{PP}=5A$ | I_{PP} (A) | C (pF) |
|-----------|----------------|---------------|---------------------------------|-------------------------|-----|-------------|----------------------------------|----------------------------------|--------------|--------|
| | | | | Min | Max | | Max | Max | | |
| ESD2V8P8U | --- | 2.8 | 1 | 3.0 | --- | 1.0 | 5.5 | 8.5 | --- | 3 |

Typical Characteristics

