



Product data sheet

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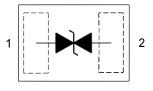




Features

- ♦ Iow Capacitance 10pF
- Low Clamping Voltage
- Small Body Outline Dimensions: 0.039³ x 0.024³ (1.0 mm x0.60 mm)
- Low Body Height: 0.019" (0.5 mm)
- ◆ Stand-off Voltage: 3.3V
- Low Leakage
- Response Time is Typically < 1 ns
- ♦ IEC61000-4-2 Level 4 ESD Protection for data lines
- ◆ These are Pb-Free Devices





SOD-882

Applications

- ◆ 10/100/Mbits/s Ethernet
- ♦ FireWire
- Display ports
- MDDI ports
- Digital Visual Interface (DVI)
- Cellular handsets & accessories
- Computer and peripherals

Maximum Rating @ Ta=25°C unless otherwise specified

| Symbol | Parameter | | Ratings | Units | |
|------------------|----------------------------|---------|-------------|-------|--|
| 505 | IEC 61000-4-2 (HBM-ESD) | Contact | 8 | KV | |
| ESD | | Air | 15 | | |
| TL | Lead Soldering Temperature | | 260(10sec.) | °C | |
| TJ | Operating Temperature | | -55 to +125 | °C | |
| T _{STG} | Storage Temperature | | -55 to +150 | °C | |



 $td = I_{pp}/2$

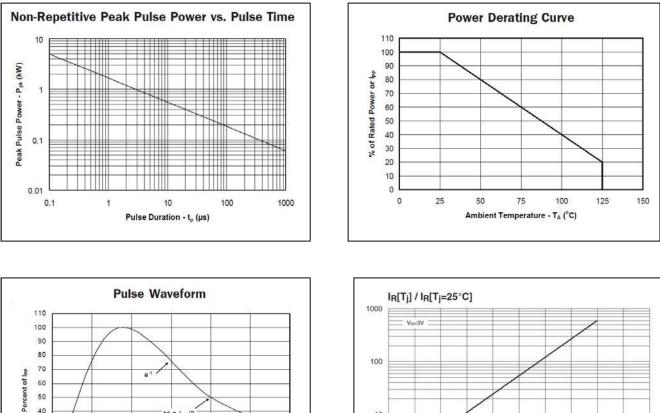
Time (µs)

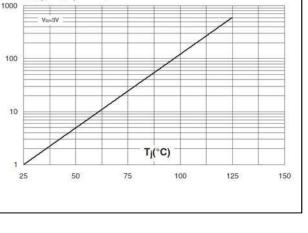


Electrical Characteristics@ Ta=25°C unless otherwise

| | VRWM@IR | | VBR@ImA | VC@1A | VC@IPP | | CJ |
|-------------|---------|-----|---------|-------|--------|---|-----|
| Parameter | V | μA | V | V | V | А | pF |
| | | MAX | MIN | MAX | MAX | | ТҮР |
| XESD2FD3V3B | 3.3 | 1 | 5.0 | 7 | 10 | 5 | 15 |

Typical Characteristics@ Ta=25°C unless otherwise specified

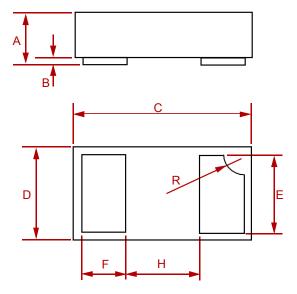






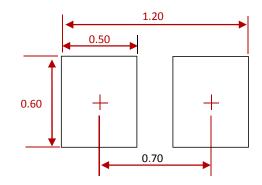
XESD2FD3V3B

PACKAGE MECHANICAL DATA



| Dim | Inches | | Millimeters | | |
|-----|-----------|-------|-------------|-------|--|
| | MIN | МАХ | MIN | МАХ | |
| А | 0.0125 | 0.02 | 0.32 | 0.52 | |
| В | 0.000 | 0.002 | 0.00 | 0.05 | |
| С | 0.037 | 0.043 | 0.95 | 1.080 | |
| D | 0.022 | 0.027 | 0.55 | 0.680 | |
| E | 0.016 | 0.024 | 0.40 | 0.60 | |
| F | 0.008 | 0.012 | 0.20 | 0.30 | |
| н | 0.015Typ. | | 0.40Тур. | | |
| R | 0.001 | 0.005 | 0.05 | 0.15 | |

Suggested Pad Layout



NOTES:

- 1. CONTROLLING DIMENSIONS ARE IN MILLIMETERS (ANGLES IN DEGREES).
- 2. THIS LAND PATTERN IS FOR REFERENCE PURPOSES ONLY. CONSULT YOUR MANUFACTURING GROUP TO ENSURE YOUR COMPANY'S MANUFACTURING GUIDELINES ARE MET.

REEL SPECIFICATION

| P/N | PKG | QTY |
|-------------|---------|-------|
| XESD2FD3V3B | SOD-882 | 10000 |
| | | |



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