

**Absolute Maximum Ratings**  $T_A = 25^{\circ}\text{C}$  unless otherwise noted

| Symbol      | Parameter                                                      | Value       | Units              |
|-------------|----------------------------------------------------------------|-------------|--------------------|
| $P_D$       | Power Dissipation                                              | 150         | mW                 |
| $T_{STG}$   | Storage Temperature Range                                      | -55 to +125 | $^{\circ}\text{C}$ |
| $T_J$       | Operating Junction Temperature                                 | +125        | $^{\circ}\text{C}$ |
| $V_R$       | DC Reverse Voltage                                             | 30          | V                  |
| $I_{F(AV)}$ | Average Forward Current                                        | 200         | mA                 |
| $I_{FSM}$   | Peak Forward Surge Current<br>(At 8.3ms single half sine-wave) | 0.5         | A                  |

These ratings are limiting values above which the serviceability of the diode may be impaired.

**Specification Features:**

Low Forward Voltage Drop  
 Small Surface Mounting Type  
 RoHS Compliant  
 Green EMC  
 Matte Tin(Sn) Lead Finish  
 Band Indicates Cathode  
 Weight: approx. 0.001g



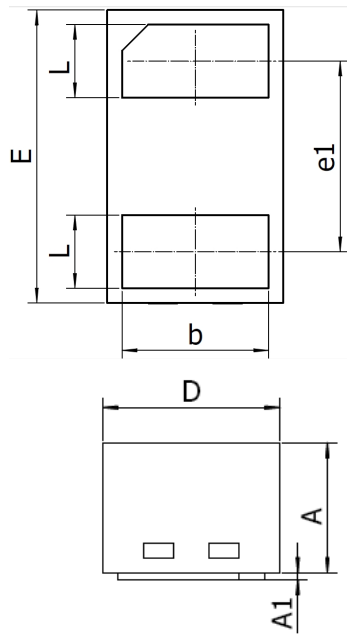
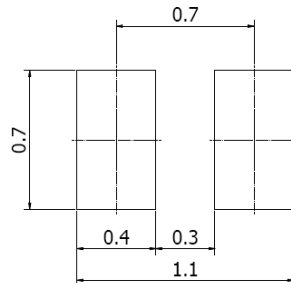
SOD882 Package


**DEVICE MARKING CODES:**

| Device Type         | Marking | Shipping           |
|---------------------|---------|--------------------|
| PMEG2005BELD,315-CN | F       | 10,000/Tape & Reel |

**Electrical Characteristics**  $T_A = 25^{\circ}\text{C}$  unless otherwise noted

| Symbol | Parameter               | Test Condition     | Limits |      | Unit          |
|--------|-------------------------|--------------------|--------|------|---------------|
|        |                         |                    | Min    | Max  |               |
| $I_R$  | Reverse Leakage Current | $V_R=10\text{V}$   |        | 30   | $\mu\text{A}$ |
| $V_F$  | Forward Voltage         | $I_F=10\text{mA}$  |        | 0.35 | Volts         |
|        |                         | $I_F=200\text{mA}$ |        | 0.50 | Volts         |

**SOD882 Package Outline**

**Typical Soldering Pattern(mm):**


| DIM | MILLIMETERS |      | INCHES     |       |
|-----|-------------|------|------------|-------|
|     | MIN         | MAX  | MIN        | MAX   |
| A   | 0.46        | 0.50 | 0.018      | 0.020 |
| A1  | ---         | 0.03 | ---        | 0.001 |
| b   | 0.45        | 0.55 | 0.018      | 0.022 |
| D   | 0.55        | 0.65 | 0.022      | 0.026 |
| E   | 0.95        | 1.05 | 0.037      | 0.041 |
| e1  | Typ. 0.65   |      | Typ. 0.026 |       |
| L   | 0.20        | 0.30 | 0.008      | 0.012 |

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