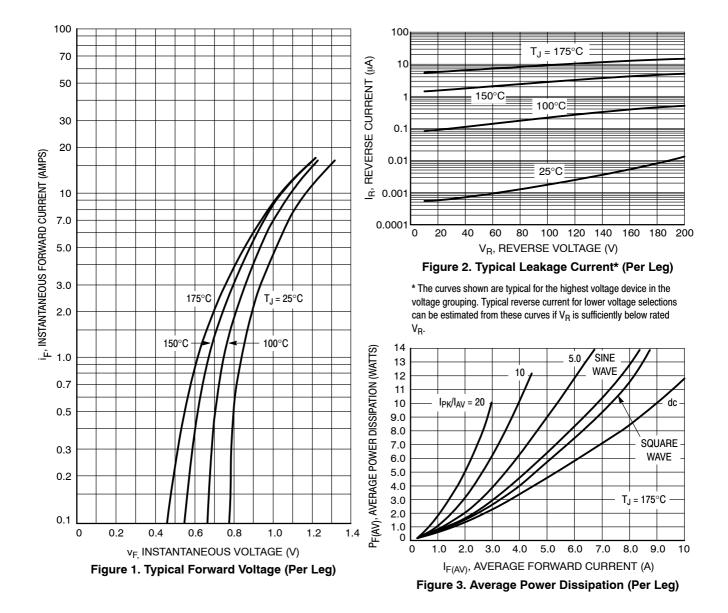
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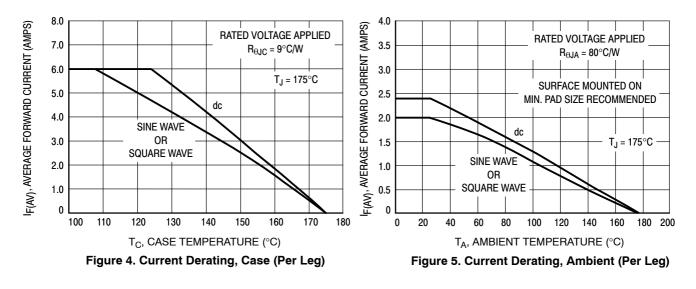
ELECTRICAL CHARACTERISTICS (Per Diode)

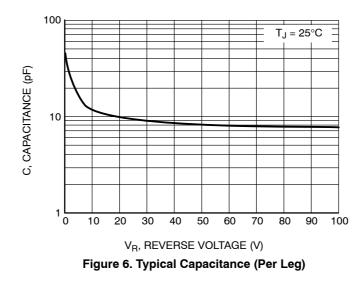
| Rating | Symbol | Value | Unit |
|---|-----------------|--------------------------|------|
| $\label{eq:maximum lnstantaneous Forward Voltage Drop (Note 2)} \\ \begin{array}{l} (i_F = 3 \mbox{ Amps, } T_C = 25^\circ C) \\ (i_F = 3 \mbox{ Amps, } T_C = 125^\circ C) \\ (i_F = 6 \mbox{ Amps, } T_C = 25^\circ C) \\ (i_F = 6 \mbox{ Amps, } T_C = 125^\circ C) \end{array}$ | VF | 1 0.96 1.2 1.13 | V |
| Maximum Instantaneous Reverse Current (Note 2) ($T_J = 25^{\circ}C$, Rated dc Voltage) ($T_J = 125^{\circ}C$, Rated dc Voltage) | i _R | 5 250 | μΑ |
| Maximum Reverse Recovery Time ($I_F = 1 \text{ Amp, di/dt} = 50 \text{ Amps/}\mu s$, $V_R = 30 \text{ V}$, $T_J = 25^{\circ}C$) ($I_F = 0.5 \text{ Amp, } i_R = 1 \text{ Amp, } I_{REC} = 0.25 \text{ A}$, $V_R = 30 \text{ V}$, $T_J = 25^{\circ}C$) | t _{rr} | 35 25 | ns |

2. Pulse Test: Pulse Width = 300 μ s, Duty Cycle \leq 2.0%.



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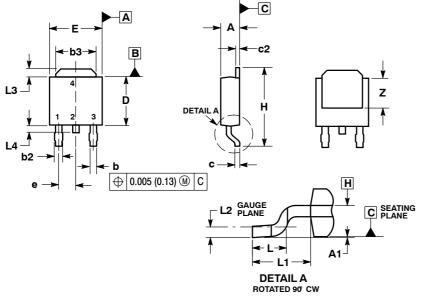


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PACKAGE DIMENSIONS

DPAK (SINGLE GAUGE)

CASE 369C-01 ISSUE D

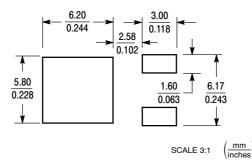


NOTES:

- 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994
- CONTROLLING DIMENSION: INCHES.
 THERMAL PAD CONTOUR OPTIONAL WITHIN DI-MENSIONS b3, L3 and Z. 4. DIMENSIONS D AND E DO NOT INCLUDE MOLD
- FLASH, PROTRUSIONS, OR BURRS, MOLD FLASH, PROTRUSIONS, OR GATE BURRS SHALL
- NOT EXCEED 0.006 INCHES PER SIDE. 5. DIMENSIONS D AND E ARE DETERMINED AT THE OUTERMOST EXTREMES OF THE PLASTIC BODY.
- 6. DATUMS A AND B ARE DETERMINED AT DATUM PLANE H.

| | INCHES | | MILLIMETERS | |
|-----|-----------|-------|-------------|-------|
| DIM | MIN | MAX | MIN | MAX |
| Α | 0.086 | 0.094 | 2.18 | 2.38 |
| A1 | 0.000 | 0.005 | 0.00 | 0.13 |
| b | 0.025 | 0.035 | 0.63 | 0.89 |
| b2 | 0.030 | 0.045 | 0.76 | 1.14 |
| b3 | 0.180 | 0.215 | 4.57 | 5.46 |
| с | 0.018 | 0.024 | 0.46 | 0.61 |
| c2 | 0.018 | 0.024 | 0.46 | 0.61 |
| D | 0.235 | 0.245 | 5.97 | 6.22 |
| E | 0.250 | 0.265 | 6.35 | 6.73 |
| е | 0.090 BSC | | 2.29 BSC | |
| н | 0.370 | 0.410 | 9.40 | 10.41 |
| L | 0.055 | 0.070 | 1.40 | 1.78 |
| L1 | 0.108 REF | | 2.74 REF | |
| L2 | 0.020 BSC | | 0.51 BSC | |
| L3 | 0.035 | 0.050 | 0.89 | 1.27 |
| L4 | | 0.040 | | 1.01 |
| Z | 0.155 | | 3.93 | |

SOLDERING FOOTPRINT*



*For additional information on our Pb-Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

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