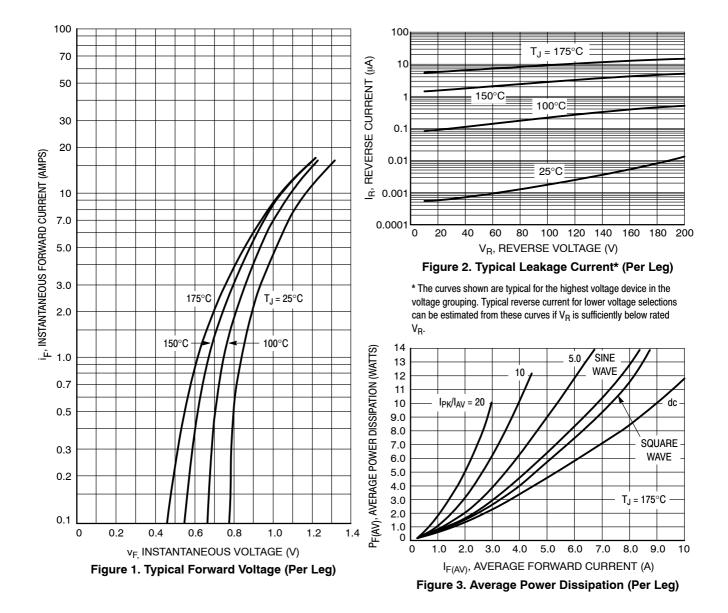
# MURD620CT

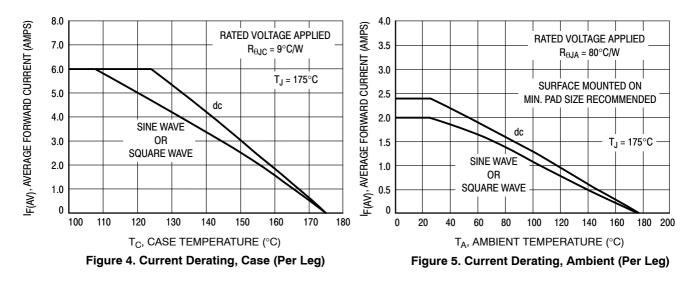
## ELECTRICAL CHARACTERISTICS (Per Diode)

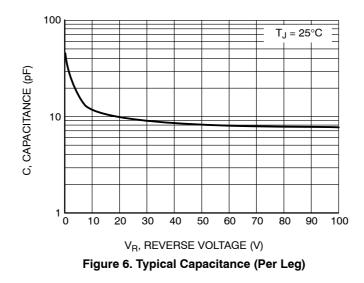
Rating	Symbol	Value	Unit
$\label{eq:maximum lnstantaneous Forward Voltage Drop (Note 2)} \\ \begin{array}{l} (i_F = 3 \mbox{ Amps, } T_C = 25^\circ C) \\ (i_F = 3 \mbox{ Amps, } T_C = 125^\circ C) \\ (i_F = 6 \mbox{ Amps, } T_C = 25^\circ C) \\ (i_F = 6 \mbox{ Amps, } T_C = 125^\circ C) \end{array}$	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 <sub>R</sub>	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 <sub>rr</sub>	35 25	ns

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



# MURD620CT



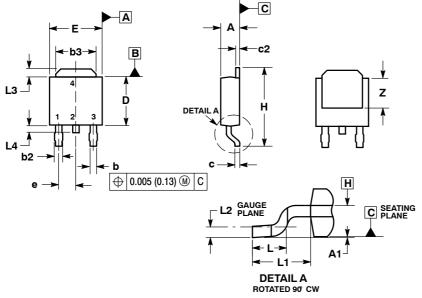


# MURD620CT

### PACKAGE DIMENSIONS

## **DPAK (SINGLE GAUGE)**

CASE 369C-01 ISSUE D

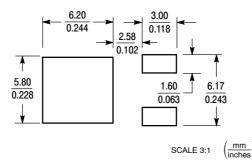


NOTES:

- 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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