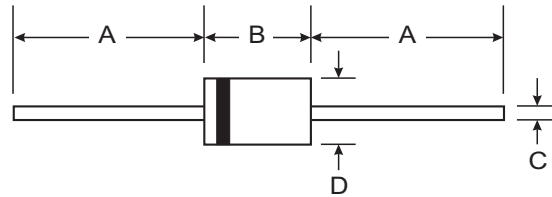


### Features

- Plastic Material - UL Flammability Classification 94V-0
- Surge Overload Rating of 60A Peak
- Capable of Meeting the Environmental Tests in MIL-STD-750C
- High Reliability and Low Leakage



### Mechanical Data

- Terminals: Axial lead, solderable per MIL-STD-202, Method 208
- Case: Molded Plastic
- Mounting Position: Any
- Polarity: Cathode band
- Approx. Weight: 0.4 gram

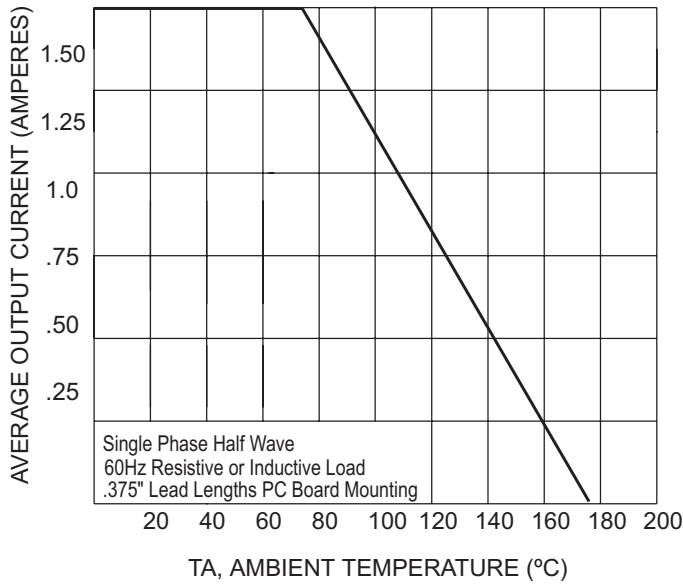
DO-15		
Dim	Min	Max
A	25.4	—
B	5.8	7.6
C	0.71	0.86
D	2.6	3.6
All Dimensions in mm		

### Maximum Ratings and Electrical Characteristics

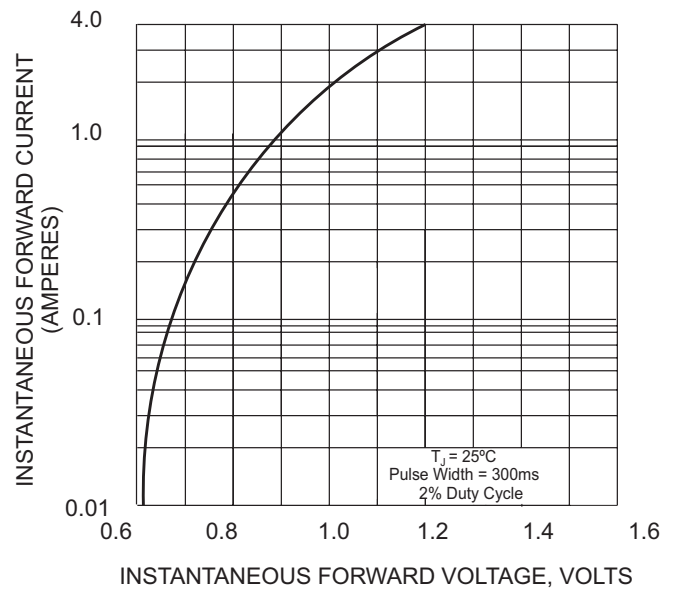
Rating at 25°C ambient temperature unless otherwise specified.  
Single phase, half wave, 60Hz, resistive or inductive load.

Characteristic	Symbol	J05	J1	J2	J4	J6	J8	J10	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	$V_{RSM}$	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified 9.5mm Lead Lengths @ $T_A = 75^\circ\text{C}$	$I_{(AV)}$	1.5							A
Peak Forward Surge current 8.3ms half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	60							A
Maximum Forward Voltage at 1.5A	$V_F$	1.0							V
Maximum DC Reverse Current at Rated DC Blocking Voltage @ $T_A = 25^\circ\text{C}$ @ $T_A = 125^\circ\text{C}$	$I_R$	5.0 200							$\mu\text{A}$
Typical Thermal Resistance (Note 1)	$R_{\theta JA}$	25.0							K/W
Typical Junction Capacitance (Note 2)	$C_J$	15.0							pF
Storage and Operating Temperature Range	$T_J, T_{STG}$	-65 to +175							$^\circ\text{C}$

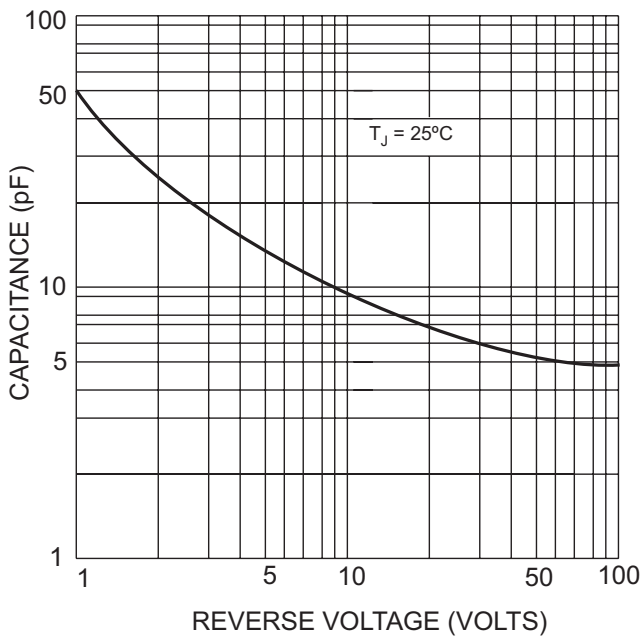
- Notes:
1. Thermal Resistance from Junction to Ambient PC Board Mounting, 9.5mm Lead Length.
  2. Measured at 1MHz and applied reverse voltage of 4.0 Volts.



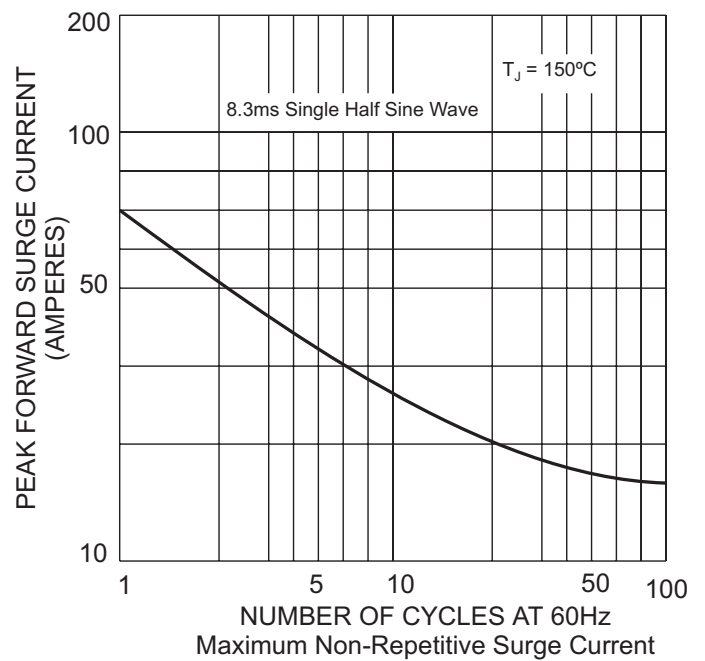
Forward Current Derating Curve



Typical Instantaneous Forward Voltage Characteristics



Typical Junction Capacitance (pF)



Maximum Non-Repetitive Surge Current