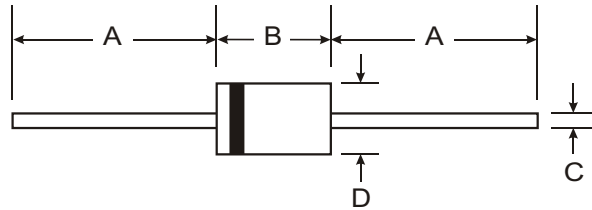


Features

- Low Leakage
- Low Forward Voltage Drop
- High Current Capability
- Super-Fast Switching Speed < 35ns
- Plastic Material - U/L Flammability
- Classification 94V-0

DISCONTINUED



Mechanical Data

Case: DO-201AD, Molded Plastic
 Terminals: Plated Axial Leads, Solderable per MIL-STD-202, Method 208
 Polarity: Color Band Denotes Cathode
 Approx. Weight: 1.2 grams
 Mounting Position: Any

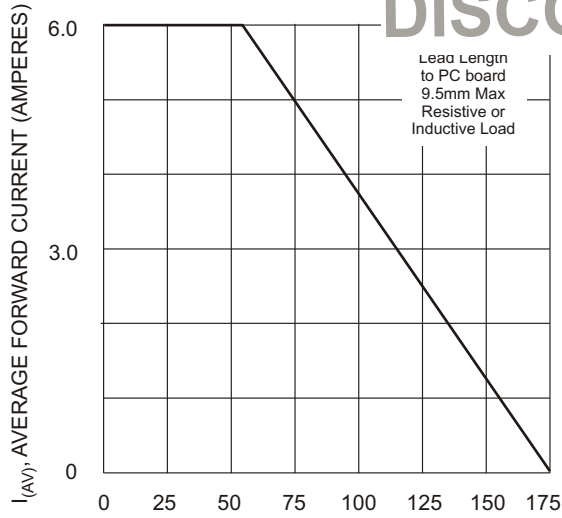
DO-201AD		
Dim	Min	Max
A	25.4	—
B	—	9.5
C	1.2	1.3
D	4.8	5.2
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics

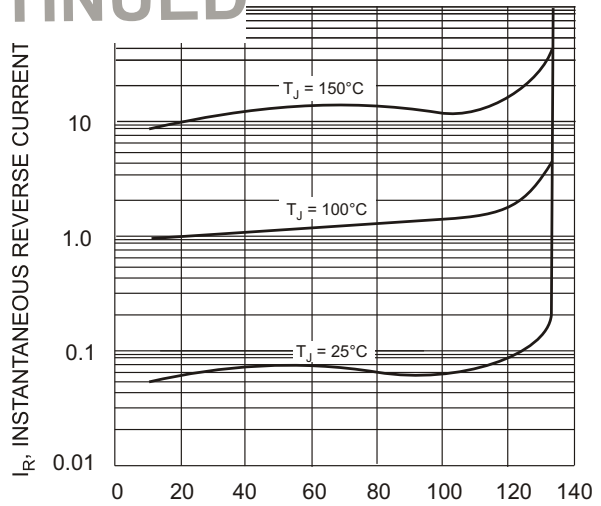
Ratings at 25° C ambient temperature unless otherwise specified.
 Single phase, half wave, 60Hz, resistive or inductive load.
 For capacitive load, derate current 20%.

Characteristic	Symbol	SF61	SF62	SF63	SF64	Unit
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	150	200	V
Maximum RMS Voltage	V _{RMS}	35	70	105	140	V
Maximum DC Blocking voltage	V _{DC}	50	100	150	200	V
Maximum Average Forward Rectified Current 9.5mm Lead Length @ T _A =55 C	I _(AV)	6.0				A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FM}	150				A
Maximum Instantaneous Forward Voltage @ 6.0A DC	V _F	1.0				V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	10				μA
Maximum DC Reverse Current at Rated DC Blocking Voltage @ T _A = 150 C	I _R	150				μA
Maximum Reverse Recovery Time (Note 1)	T _{rr}	35				ns
Typical Junction Capacitance (Note 2)	C _J	170				pF
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to + 175				°C

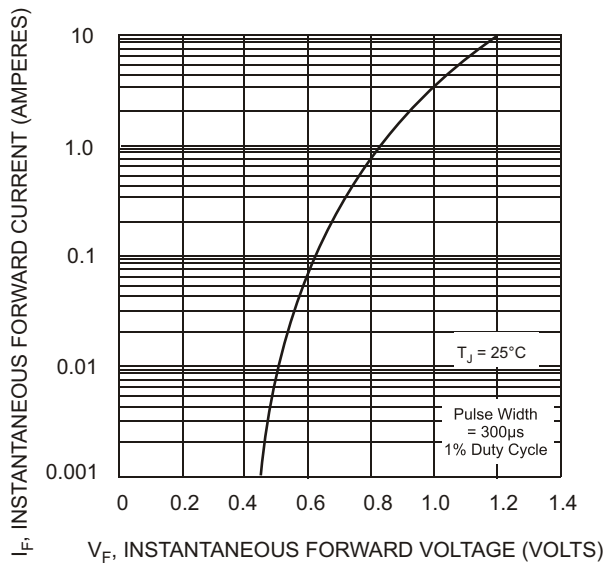
Notes: 1. Reverse Recovery Test Conditions: I_F =0.5 A, I_R =1.0 A, I_{RR}=0.25A
 2. Measured at 1 MHz and applied reverse voltage of 4.0V.



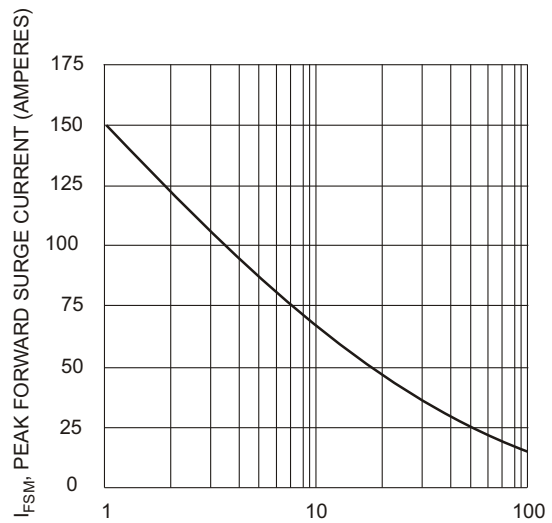
T_A , AMBIENT TEMPERATURE (°C)
Fig. 1. Typical Fwd Current Derating Curve



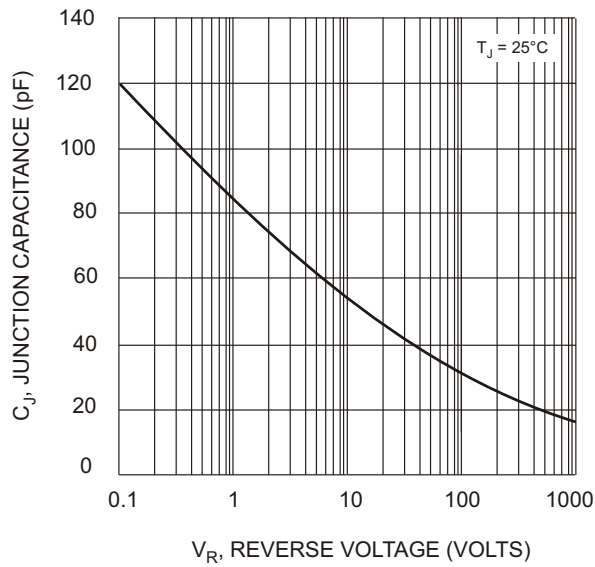
PERCENT OF RATED PEAK REVERSE VOLTAGE (%)
Fig. 2. Typical Reverse Characteristics



V_F , INSTANTANEOUS FORWARD VOLTAGE (VOLTS)
Fig. 3. Typical Instantaneous Fwd Characteristics



NUMBER OF CYCLES AT 60 Hz
Fig. 4. Max Non-Repetitive Peak Fwd Surge Current



V_R , REVERSE VOLTAGE (VOLTS)
Fig. 5. Typical Junction Capacitance

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