

8A Schottky Rectifier

Features

- Low Forward Voltage Drop
- Low Power Loss, High Efficiency
- High Surge Current Capability
- High temperature soldering guaranteed:
260° C/10 seconds, / .037" (9.5mm) lead length
- RoHS Compliant



DO-201AD



Mechanical Data

Case:	DO-201AD, Molded Plastic
Terminals:	Axial leads, solderable per MIL-STD-750, Method 2026
Polarity:	Cathode band, Laser marking
Weight:	1.1 gram

Maximum Ratings ($T_{Ambient}=25^{\circ}C$ unless noted otherwise)

Symbol	Description	TSR835	TSR845	TSR850	TSR860	Unit	Conditions
V_{RRM}	Max. Repetitive Peak Reverse Voltage	35	45	50	60	V	
V_{RMS}	Max. RMS Voltage	25	32	35	42	V	
V_{DC}	Max. DC Blocking Voltage	35	45	50	60	V	
I_{F(AV)}	Average Forward Rectified Current	8.0				A	Resistive Load and $f >= 50\text{Hz}$
I_{FSM}	Peak Forward Surge Current	150				A	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)
V_F	Max. Instantaneous Forward Voltage	0.55		0.70		V	I _F =8A
I_R	Max. DC Reverse Current at Rated DC Blocking Voltage	0.5				mA	T _A =25 °C
		50					T _A =100 °C
T_J, T_{STG}	Operating Junction and Storage Temperature Range	-65 to +125				°C	

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TSR835 - TSR860

Typical Characteristics Curves

Fig.1- Forward Current Derating Curve

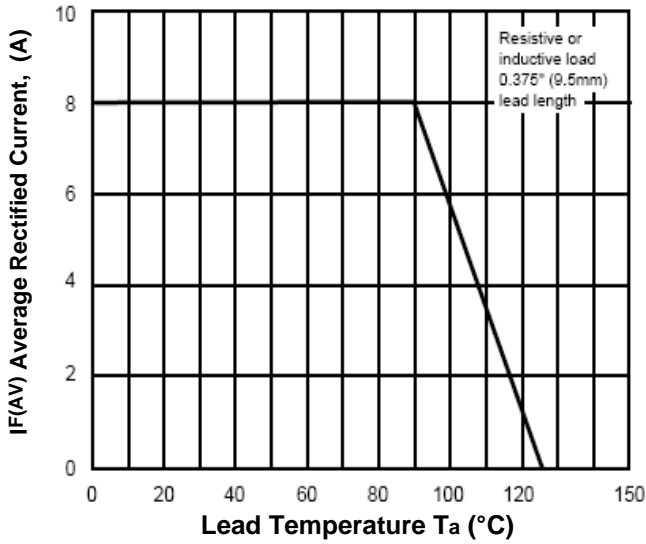


Fig.2- Max. Non-Repetitive Forward Surge Current

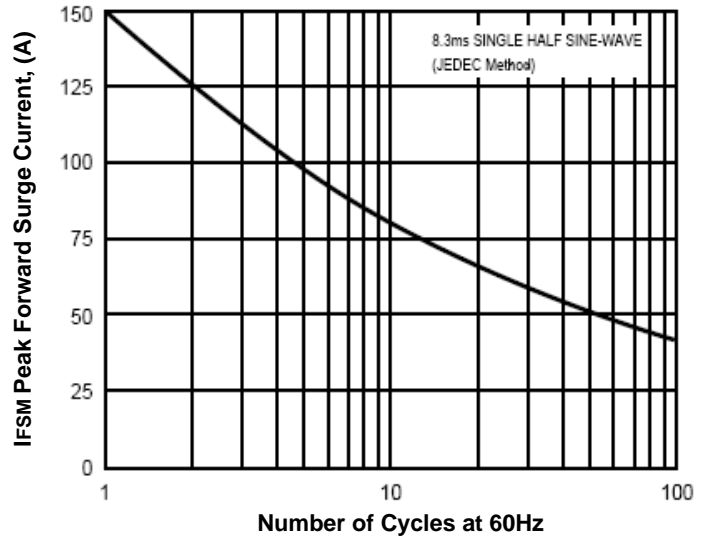


Fig.3- Typical Forward Characteristics

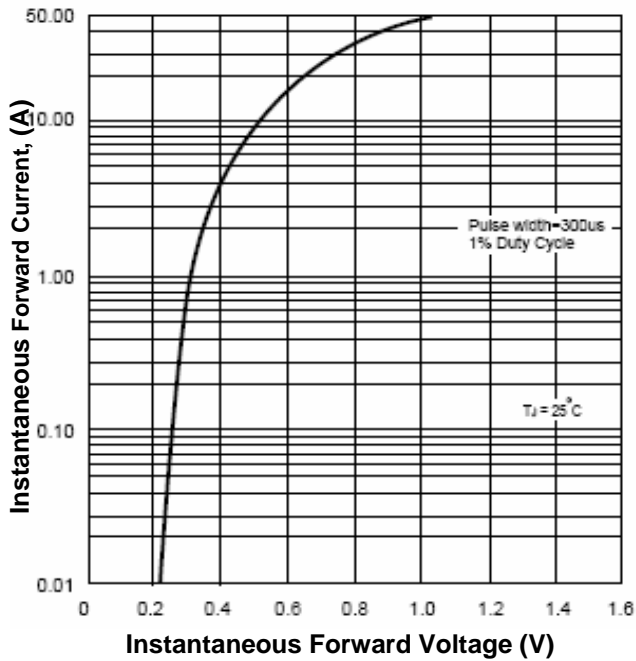
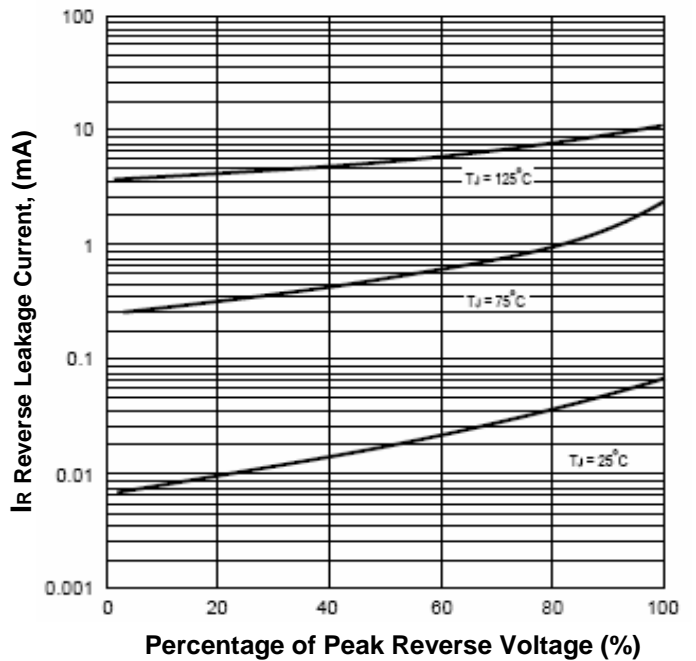


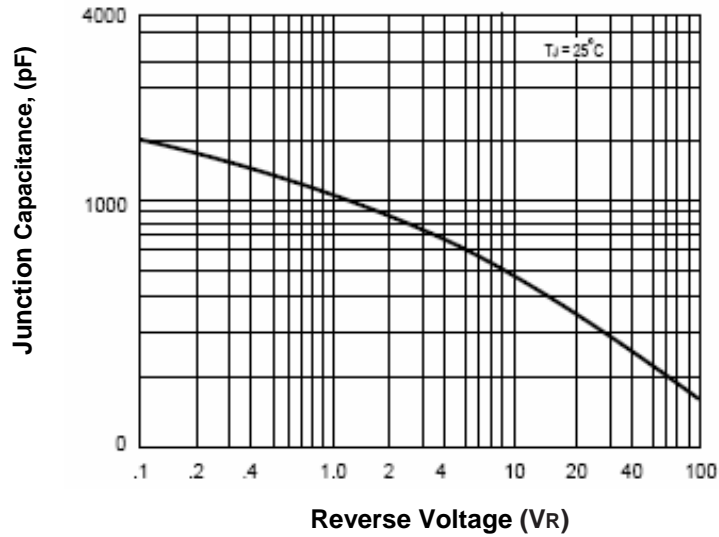
Fig.4- Typical Reverse Characteristics



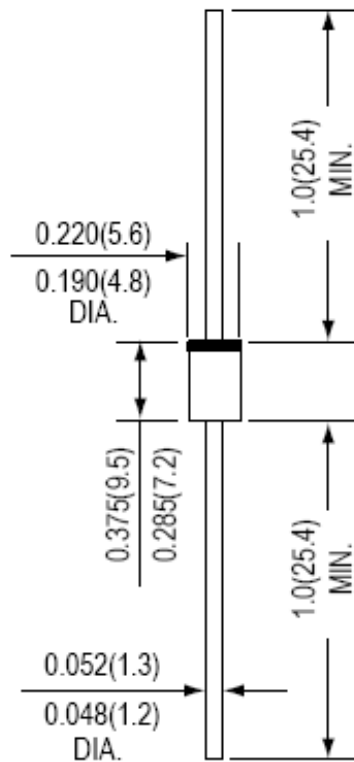
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Fig.5- Typical Junction Capacitance



Dimensions in inches (mm)

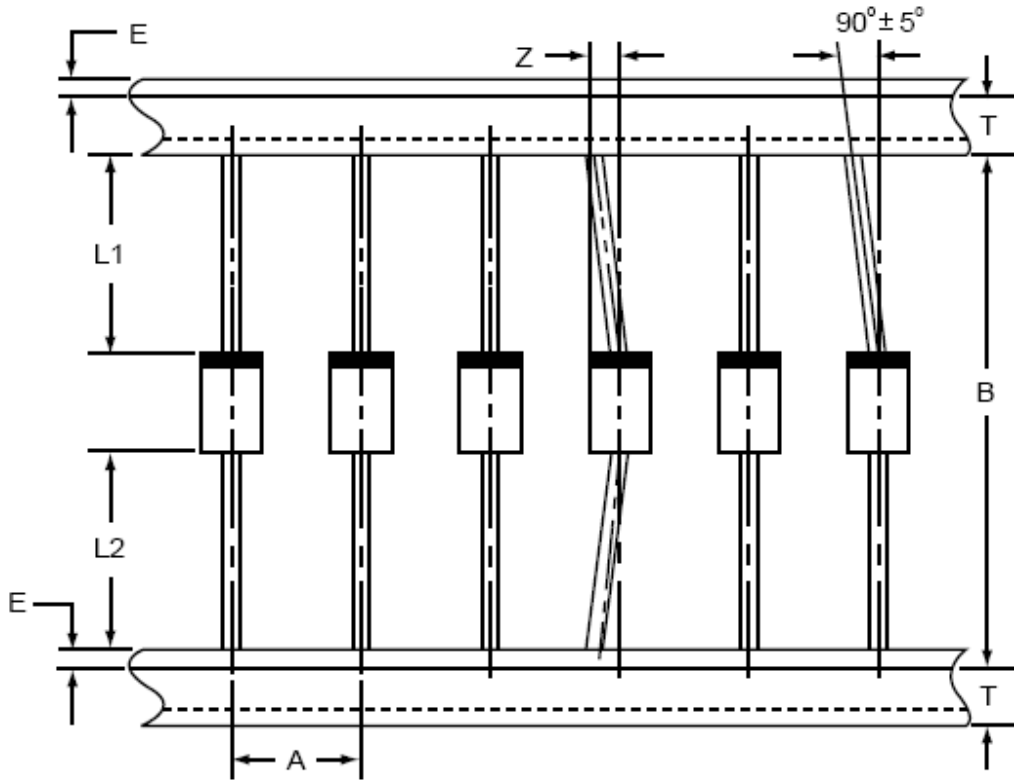


DO-201AD



Rev. B/AH 2008-02-12

Taping Information (in mm)



Components Outline	A	B	L1,L2	T	E	Z
DO-201AD	10±0.5	52±1	Max.1.0	6±0.4	Max.0.8	Max.1.2

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