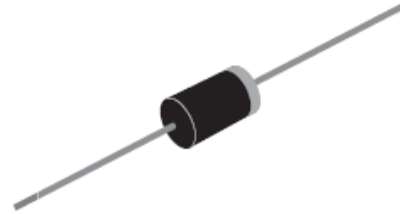


## Schottky Rectifier

### Features

- Fast switching speed
- Low forward voltage
- High forward surge current capability
- High temperature soldering guaranteed 250°C/10 seconds  
/.0375" (9.5mm) lead length
- RoHS and REACH Compliant



DO-201AD  
(DO-27)



RoHS  
COMPLIANT

### Mechanical Data

<b>Case:</b>	DO-27, transfer molded plastic
<b>Epoxy:</b>	Meets UL 94V-0 flammability rating
<b>Terminals:</b>	Plated axial leads, solderable per MIL-STD-202E, Method 208C
<b>Polarity:</b>	Cathode indicated by color band
<b>Mounting position:</b>	Any
<b>Weight:</b>	0.04 Ounce, 1.1 gram

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

Symbol	Description	SR820	SR830	SR835	SR840	SR845	SR850	SR860	Unit	Conditions
<b>V<sub>RRM</sub></b>	Max Recurrent Peak Reverse Voltage	20	30	35	40	45	50	60	V	
<b>V<sub>RMS</sub></b>	Max RMS Voltage	14	21	25	28	32	35	42	V	
<b>V<sub>DC</sub></b>	Max DC Blocking Voltage	50	100	200	400	600	800	1000	V	
<b>I<sub>F(AV)</sub></b>	Max Average Forward Rectified Current	8.0							A	
<b>I<sub>FSM</sub></b>	Peak Forward Surge Current	150							A	8.3ms single half sine-wave (JEDEC)
<b>T<sub>J</sub>, T<sub>STG</sub></b>	Operating and Storage Temperature Range	-50 to +150							°C	
<b>V<sub>F</sub></b>	Max Instantaneous Forward Voltage	0.65				0.75			V	I <sub>F(AV)</sub> =8.0A
<b>I<sub>R</sub></b>	Max DC Reverse Current at Rated DC Blocking Voltage	5.0							mA	T <sub>A</sub> =25°C
		50							mA	T <sub>A</sub> =100°C

### Typical Characteristics Curves

Fig.1- Forward Current Derating Curve

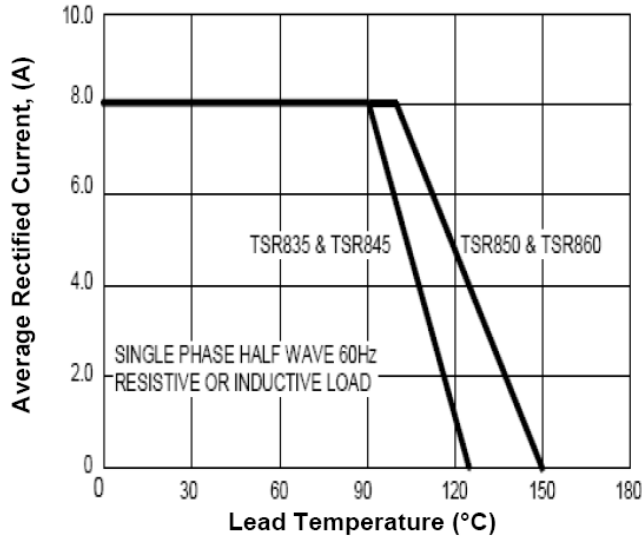


Fig.2- Max. Non-Repetitive Forward Surge Current

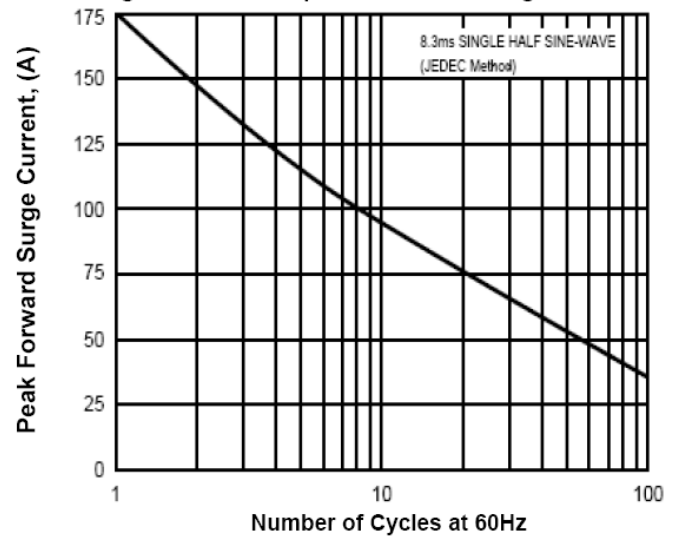


Fig.3- Typical Forward Characteristics

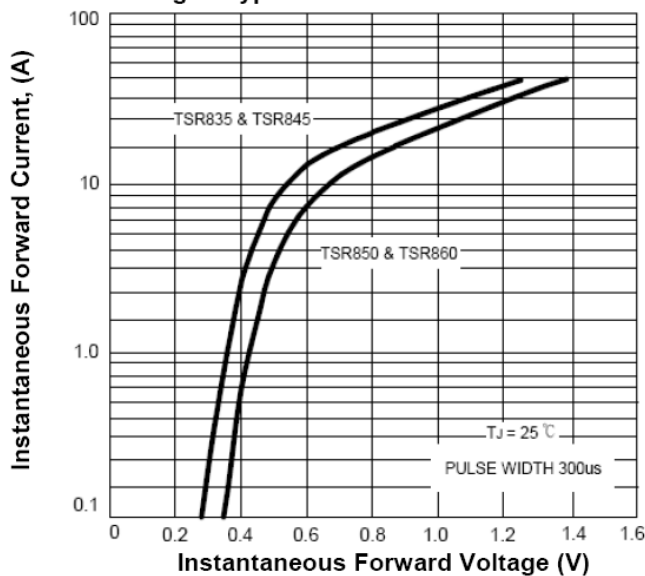
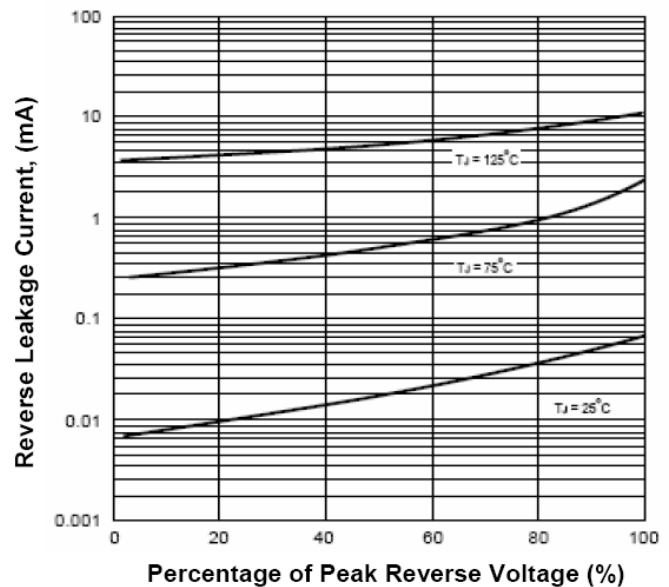
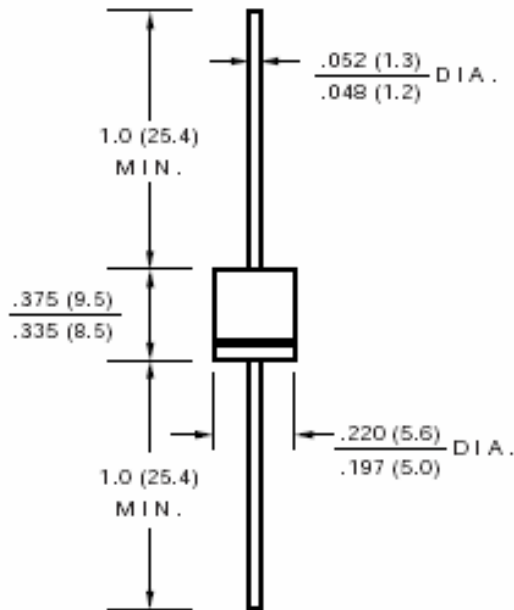


Fig.4- Typical Reverse Characteristics



Dimensions in inch (mm)



**DO201AD  
(DO-27)**

**Contact us:**