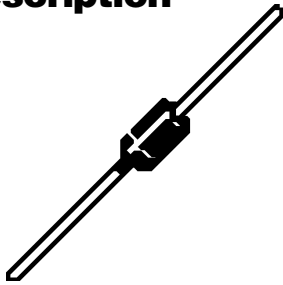
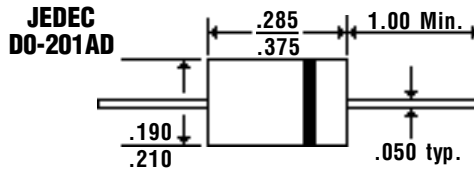


# 5.0 Amp SCHOTTKY BARRIER RECTIFIERS

## Description



## Mechanical Dimensions



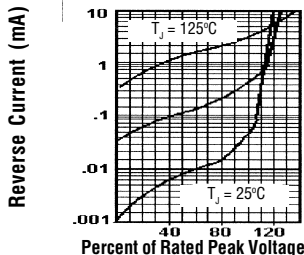
**SR520 ... 560 Series**

### Features

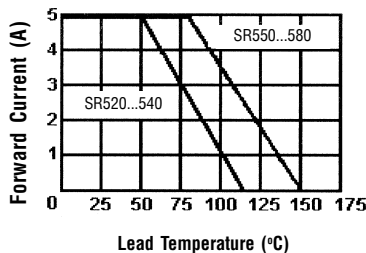
- EXTREMELY LOW  $V_f$
- LOW POWER LOSS — HIGH EFFICIENCY
- LOW STORED CHARGE; MAJORITY CARRIER CONDUCTION
- MEETS UL SPECIFICATION 94V-0

	<i>SR520...560 Series</i>					Units
<b>Maximum Ratings</b>	SR520	SR530	SR540	SR550	SR560	
Peak Repetitive Reverse Voltage... $V_{RRM}$	20	30	40	50	60	Volts
Working Peak Reverse Voltage... $V_{RWM}$	20	30	40	50	60	Volts
DC Blocking Voltage... $V_{DC}$	20	30	40	50	60	Volts
Average Forward Rectified Current... $I_{F(av)}$ @ $T_A = 55^\circ\text{C}$	5.0					Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ @ Rated Load Conditions, 1/2 Wave, 8.3ms	150					Amps
Operating Temperature Range... $T_J$	< ..... -65 to 125 ..... >		< ..... -65 to 150 ..... >			°C
Storage Temperature Range... $T_{STRG}$	..... -65 to 150 .....					°C
<b>Electrical Characteristics</b>						
Maximum Forward Voltage... $V_f$ @ $I_f = 5.0$ Amps	< ..... .57 ..... >		< ..... .70 ..... >			Volts
Maximum DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage $T_L = 25^\circ\text{C}$	..... 0.5 .....					mAmps
Typical Junction Capacitance... $C_J$	..... 200 .....					pF
Typical Thermal Resistance... $R_{\theta JC}$	..... 15 .....					°C / W

**Typical Reverse Characteristics**



**Forward Current Derating Curve**



**Typical Junction Capacitance**

