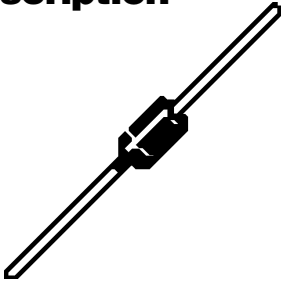
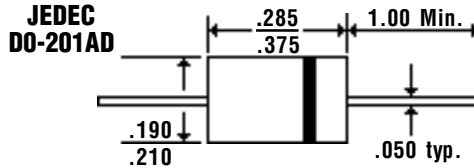


5.0 Amp SCHOTTKY BARRIER RECTIFIERS

Description



Mechanical Dimensions



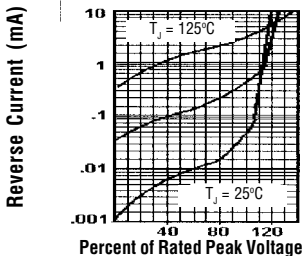
SR520 ... 560 Series

Features

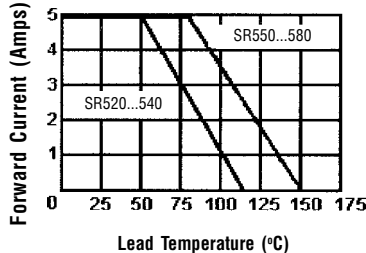
- EXTREMELY LOW V_F
- LOW POWER LOSS — HIGH EFFICIENCY
- LOW STORED CHARGE; MAJORITY CARRIER CONDUCTION
- MEETS UL SPECIFICATION 94V-0

Electrical Characteristics @ 25°C.	SR520...560 Series					Units
Maximum Ratings	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... $I_{F(av)}$ @ $T_A = 55^\circ C$	5.0					Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} @ Rated Load Conditions, 1/2 Wave, 8.3ms	150					Amps
Forward Voltage... V_F @ $I_F = 5.0$ Amps	< .57 >		< .70 >			Volts
DC Reverse Current... I_R @ Rated DC Blocking Voltage $T_L = 25^\circ C$	0.5					mAmps
Typical Junction Capacitance... C_J	200					pF
Typical Thermal Resistance... $R_{\theta JC}$	15					$^\circ C / W$
Operating Temperature Range... T_J	< -65 to 125 >		< -65 to 150 >			$^\circ C$
Storage Temperature Range... T_{STRG}	< -65 to 150 >					$^\circ C$

Typical Reverse Characteristics



Forward Current Derating Curve



Typical Junction Capacitance

