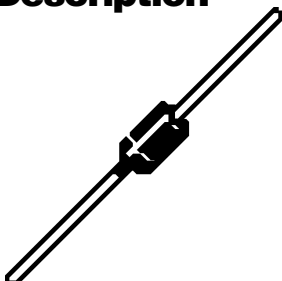
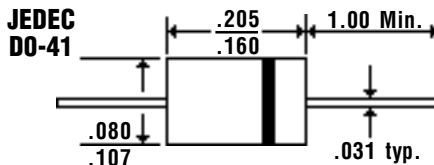


Description



Mechanical Dimensions

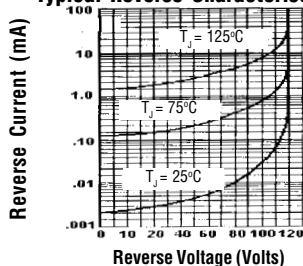


Features

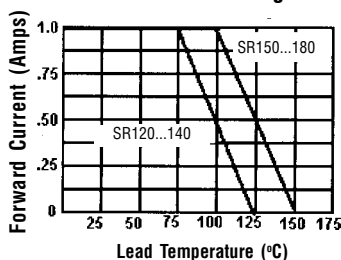
- EXTREMELY LOW V_F
 - LOW POWER LOSS — HIGH EFFICIENCY
- LOW STORED CHARGE; MAJORITY CARRIER CONDUCTION
 - MEETS UL SPECIFICATION 94V-0

Electrical Characteristics @ 25°C.	SR120...180 Series						Units
Maximum Ratings	SR120	SR130	SR140	SR150	SR160	SR180	
Peak Repetitive Reverse Voltage... V_{RRM}	20	30	40	50	60	80	Volts
Working Peak Reverse Voltage... V_{RWM}	20	30	40	50	60	80	Volts
DC Blocking Voltage... V_{DC}	20	30	40	50	60	80	Volts
Average Forward Rectified Current... $I_{F(av)}$ @ $T_A = 55^\circ\text{C}$	1.0						Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} @ Rated Load Conditions, 1/2 Wave, 8.3mS	40						Amps
Forward Voltage... V_F @ $I_F = 1.0$ Amps	.55	.60	.65	<70 >			Volts
DC Reverse Current... I_R @ Rated DC Blocking Voltage $T_L = 25^\circ\text{C}$	1.0						mAmps
Typical Junction Capacitance... C_j	110	< 71 >					pF
Typical Thermal Resistance... $R_{\theta JA}$	50						°C / W
Operating Temperature Range... T_j	< -65 to 125 >			< -65 to 150 >			°C

Typical Reverse Characteristics



Forward Current Derating Curve



Typical Junction Capacitance

