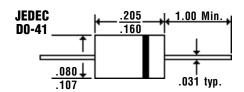
### 1.0 Amp SCHOTTKY RECTIFIERS

# SR120...180 Series

## Description

### **Mechanical Dimensions**



#### **Features**

- **EXTREMELY LOW V**<sub></sub>
- LOW POWER LOSS HIGH EFFICIENCY
- LOW STORED CHARGE; MAJORITY CARRIER CONDUCTION
- MEETS UL SPECIFICATION 94V-0

Electrical Characteristics @ 25°C.	SR120180 Series						Units
Maximum Ratings	SR120	SR130	SR140	SR150	SR160	SR180	
Peak Repetitive Reverse VoltageV <sub>RRM</sub>	20	30	40	50	60	80	Volts
Working Peak Reverse VoltageV	20	30	40	50	60	80	Volts
DC Blocking VoltageV <sub>DC</sub>	20	30	40	50	60	80	Volts
Average Forward Rectified Current $I_{F(av)}$ @ $T_A = 55^{\circ}C$			1	.0			Amps
Non-Repetitive Peak Forward Surge CurrentI <sub>FSM</sub> @ Rated Load Conditions, ½ Wave, 8.3mS			4	0			Amps
Forward VoltageV <sub>F</sub> @ I <sub>F</sub> = 1.0 Amps	.55	.60	.65	<	70	>	Volts
DC Reverse CurrentI <sub>R</sub> @ Rated DC Blocking Voltage T <sub>L</sub> = 25°C			1	.0			mAmp
Typical Junction CapacitanceC <sub>J</sub>	110	<		71		>	pF
Typical Thermal ResistanceR <sub>eJA</sub>	50						°C / W
Operating Temperature RangeT	<65 to 125> <65 to 150>						°C

