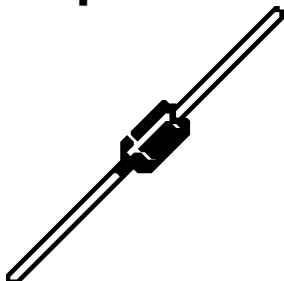
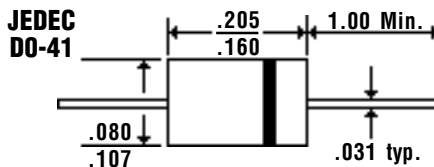


## Description



## Mechanical Dimensions



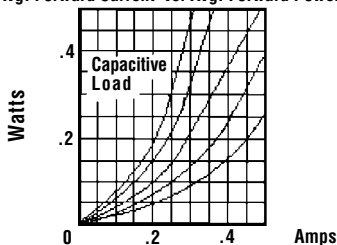
## Features

- LOW FORWARD VOLTAGE
- LOW LEAKAGE CURRENT

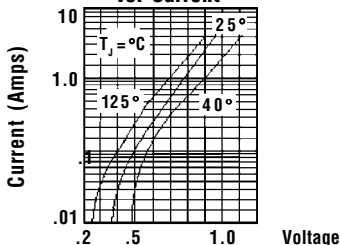
- DESIGNED FOR POWER SUPPLY AND CONVERTER APPLICATIONS
- MEETS UL SPECIFICATION 94V-0

| Electrical Characteristics @ 25°C.   | SR030 & SR040 Series                  |           | Units                       |
|--|---------------------------------------|-----------|-----------------------------|
| Maximum Ratings  | SR030                                 | SR040     |                             |
| Peak Repetitive Reverse Voltage... $V_{RRM}$   | 30                                    | 40        | Volts                       |
| Working Peak Reverse Voltage... $V_{RWM}$  | 30                                    | 40        | Volts                       |
| DC Blocking Voltage... $V_{DC}$  | 30                                    | 40        | Volts                       |
| Average Forward Rectified Current... $I_{F(av)}$<br>@ $T_C = 135^\circ\text{C}$                                  | 0.50                                  |           | Amps                        |
| Non-Repetitive Peak Forward Surge Current... $I_{FSM}$<br>@ Rated Load Conditions, 1/2 Wave, Single Phase, 60 HZ | 15                                    |           | Amps                        |
| Forward Voltage... $V_F$<br>@ $I_F = 0.1$ Amps   | 0.46 Typ.                             | 0.50 Max. | Volts                       |
| @ $I_F = 0.5$ Amps   | 0.61 Typ.                             | 0.75 Max. | Volts                       |
| DC Reverse Current... $I_R$<br>@ Rated DC Blocking Voltage   | $T_J = 150^\circ\text{C}$<br>0.6 Typ. | 1.0 Max.  | mAmps                       |
|  | $T_J = 25^\circ\text{C}$<br>.003 Typ. | .001 Max. | mAmps                       |
| Typical Thermal Resistance... $R_{\theta JL}$  | 180 Typ.                              | 190 Max.  | $^\circ\text{C} / \text{W}$ |

**Forward Power Dissipation**  
Avg. Forward Current vs. Avg. Forward Power



**Instantaneous Forward Voltage vs. Current**



**Typical Capacitance**

