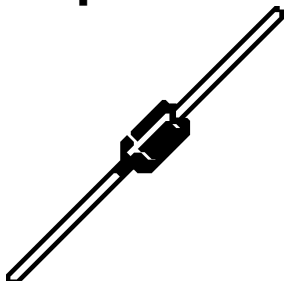
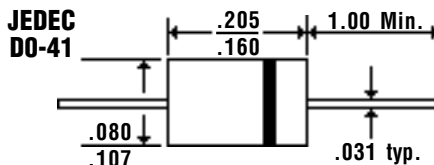


## Description



## Mechanical Dimensions



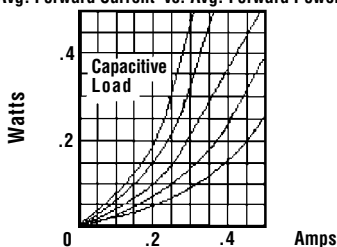
## Features

- LOW FORWARD VOLTAGE
- LOW LEAKAGE CURRENT

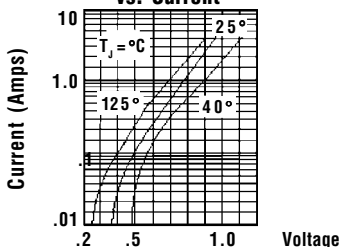
- DESIGNED FOR POWER SUPPLY AND CONVERTER APPLICATIONS
- MEETS UL SPECIFICATION 94V-0

| 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   | $T_J = 150^\circ\text{C}$ ..... 0.6 Typ. ....<br>$T_J = 25^\circ\text{C}$ ..... .003 Typ. .... | 1.0 Max. ....<br>.001 Max. .... |       | mAmps<br>mAmps |
| Typical Thermal Resistance... $R_{\theta JL}$  | ..... 180 Typ. ....  | 190 Max. ....                   |       | °C / W         |

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



**Instantaneous Forward Voltage vs. Current**



**Typical Capacitance**

