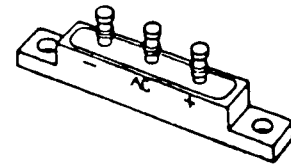


# SDA40HF

X00080

## 9 AMP RECTIFIER ASSEMBLY

- Average Output Current 9 Amps
- PIV 50 to 600 Volts
- Max Thermal Resistance 5.0 °C/Watt
- Reverse Recovery Time\*40ns Max
- Glass Passivated Rectifier Cells
- Hermetically Sealed
- Turrent Terminals
- Choice of Three Terminal Configurations



SSDI introduces a new and complete series of Hyper Fast Recovery Doublers and Center Tap Rectifier Circuits. Designed in cast aluminum cases to provide maximum thermal conductivity and simple installation.

Consult your factory representative for engineering assistance.

| Type     | PIV<br>per<br>leg | Sine<br>Wave<br>RMS<br>input<br>Voltage<br>Max. | Average DC<br>Output Amps<br>TC = (case temp.) |       | Reverse<br>Recovery<br>Time<br>* T <sub>rr</sub> | Average DC<br>Output Amps<br>TA = Ambient Temp<br>(No heat Sink) |      | Peak<br>1 Cycle<br>Forward<br>Surge | Peak<br>Recurrent<br>Forward | VF Max<br>per leg<br>@ ADC<br>3 | Reverse<br>Current<br>(I <sub>R</sub> Max.<br>per leg.<br>@ PIV) |       |
|----------|-------------------|-------------------------------------------------|------------------------------------------------|-------|--------------------------------------------------|------------------------------------------------------------------|------|-------------------------------------|------------------------------|---------------------------------|------------------------------------------------------------------|-------|
|          |                   |                                                 | 50°C                                           | 100°C |                                                  | 25°C                                                             | 55°C |                                     |                              |                                 | 25°C                                                             | 100°C |
|          | VOLTS             | VOLTS                                           | AMPS                                           | AMPS  | ns                                               | AMPS                                                             | AMPS | AMPS                                | AMPS                         | VOLTS                           | UA                                                               | UA    |
| SDA40AHF | 50                | 35                                              | 9                                              | 6.25  | 40                                               | 2.75                                                             | 2.5  | 75                                  | 18                           | 1.35                            | 10                                                               | 1000  |
| SDA40BHF | 100               | 70                                              | 9                                              | 6.25  | 40                                               | 2.75                                                             | 2.5  | 75                                  | 18                           | 1.35                            | 10                                                               | 1000  |
| SDA40CHF | 200               | 140                                             | 9                                              | 6.25  | 40                                               | 2.75                                                             | 2.5  | 75                                  | 18                           | 1.35                            | 10                                                               | 1000  |
| SDA40DHF | 300               | 210                                             | 9                                              | 6.25  | 40                                               | 2.75                                                             | 2.5  | 75                                  | 18                           | 1.35                            | 10                                                               | 1000  |
| SDA40EHF | 400               | 280                                             | 9                                              | 6.25  | 40                                               | 2.75                                                             | 2.5  | 75                                  | 18                           | 1.35                            | 10                                                               | 1000  |
| SDA40FHF | 500               | 350                                             | 9                                              | 6.25  | 40                                               | 2.75                                                             | 2.5  | 75                                  | 18                           | 1.35                            | 10                                                               | 1000  |
| SDA40GHF | 600               | 420                                             | 9                                              | 6.25  | 40                                               | 2.75                                                             | 2.5  | 75                                  | 18                           | 1.35                            | 10                                                               | 1000  |

Higher Voltages Are Available. Contact Factory.

NOTE: Specifications Subject to Change Without Notice.  
\*Recovery Time Conditions: I<sub>F</sub> = .5A, I<sub>R</sub> = 1A, I<sub>rr</sub> = .25A

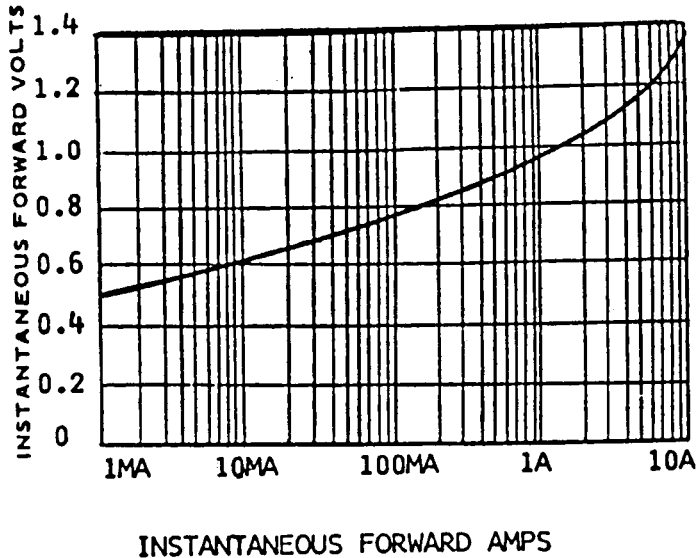
# SSDI

SOLID STATE DEVICES, INC.

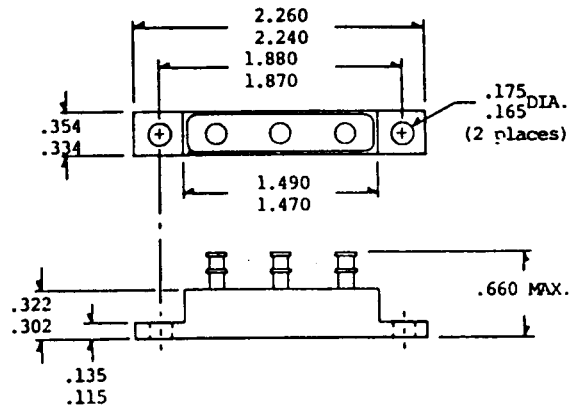
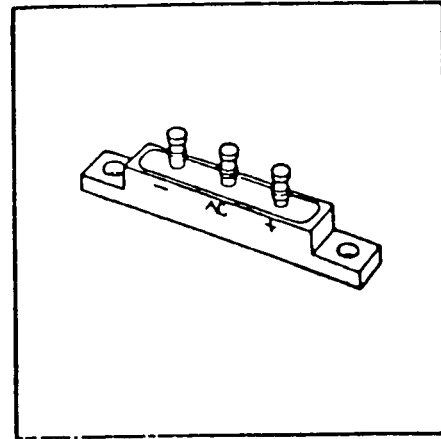
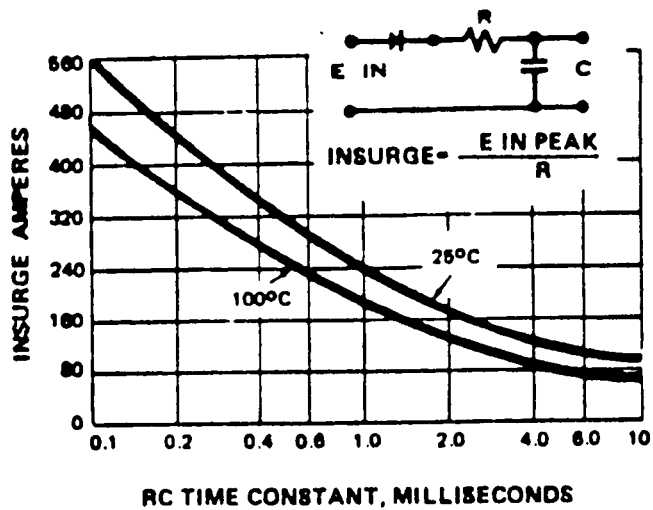


## application notes

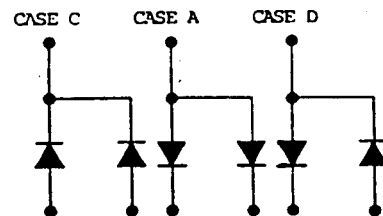
### TYPICAL DYNAMIC FORWARD CHARACTERISTICS



### MAXIMUM RATINGS FOR CAPACITY LOADS



### TERMINAL CONFIGURATION



**SOLID STATE DEVICES, INC.**