

SDA403AF through SDA403GF

5 AMP

FAST RECOVERY
THREE PHASE BRIDGE
RECTIFIER ASSEMBLIES

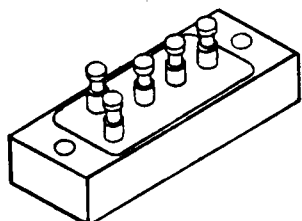
50 - 1,000 VOLTS

SSDI

X00099

14849 FIRESTONE BLVD.
LA MIRADA, CA 90638
TEL: (213) 921-9660
FAX: (213) 921-2396

CASE STYLE



FEATURES

- ▶ AVERAGE OUTPUT CURRENT 5 AMPS
- ▶ PIV TO 1,000 VOLTS
- ▶ ALUMINUM CASES
- ▶ CASE ELECTRICALLY INSULATED
- ▶ EFFICIENT THERMAL DESIGN
- ▶ HERMETICALLY SEALED DIODES
- ▶ REVERSE RECOVERY TIME 150ns

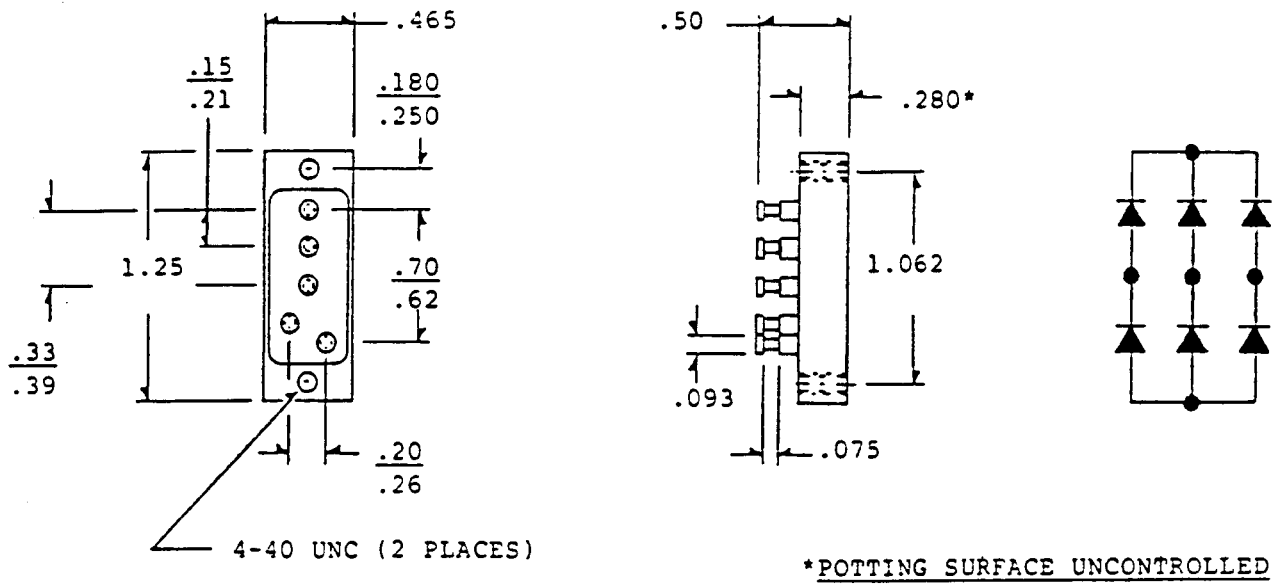
These bridge rectifier assemblies are designed in machined aluminum cases to provide maximum thermal conductivity and simple installation. These bridges utilize double plug, void-free, hermetically sealed, glass passivated diode cells. Screening of these devices to MIL-S-19500 TX or TXV levels can be supplied. Ultra fast and hyper fast units available.

SEMTECH Equivalent: SC3BJ4F
SENSITRON Equivalent: S6A360FR

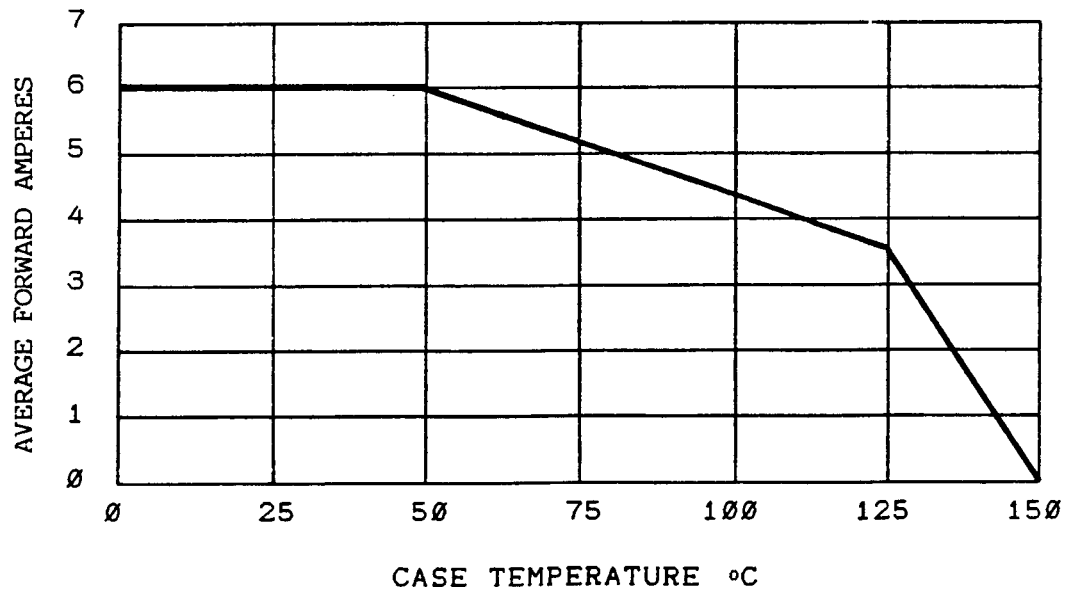
	SDA403AF	SDA403BF	SDA403CF	SDA403DF	SDA403EF	SDA403FF	SDA403GF
PIV per leg Volts	50	100	200	400	600	800	1000
Sine Wave RMS input Voltage max. Volts	35	70	140	280	420	560	700

Average DC Output Amps: TC = 50 °C: 5.0 Amps TC = 100 °C: 2.5 Amps
Reverse Recovery Time (IF = 0.5A, IR = 1A, IRR = 0.25A): 150 nsec
Average DC Output Amps (No heat sink): TA = 25 °C: 1.5 Amps TA = 55 °C: 1.0 Amps
Peak 1 Cycle Forward surge: 25 Amps
Peak Recurrent Forward: 9 Amps
VF Max per leg @ ADC 3: 1.4 Volts
Reverse Current (IR Max per leg @ PIV) 25 °C: 3 uA 100 °C: 75 uA

PHYSICAL DIMENSIONS



TYPICAL OPERATING CURVES



SSDI

SOLID STATE DEVICES, INC.

14849 FIRESTONE BOULEVARD ♦ LA MIRADA, CA 90638

TELEPHONE: (213) 921-9660 ♦ FAX: (213) 921-2396