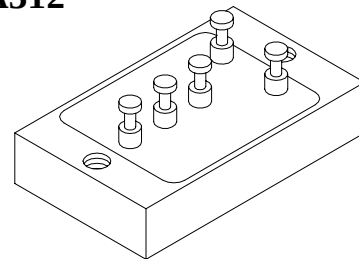




PRELIMINARY

SOLID STATE DEVICES, INC.14005 Stage Road * Santa Fe Springs, Ca 90670
Phone: (562) 404-4474 * Fax: (562) 404-1773**Designer's Data Sheet****FEATURES:**

- Recovery: 5 μ sec Maximum
- 50 to 1000 V Blocking Voltage
- Average Output Current 10 Amps
- Low Reverse Leakage Current
- Glass Passivated Rectifiers
- Hermetically Sealed Discretes
- Aluminum Case for Maximum Thermal Conductivity
- TX and TXV Level Screening Available
- Consult Factory for Reverse Polarity

**SDA312A
thru
SDA312G****10 AMPS
5 μ sec
STANDARD RECOVERY
3 PHASE BRIDGE ASSY****SDA312**

Maximum Ratings	SYMBOL	VALUE	UNITS
Peak Repetitive Reverse and DC Blocking Voltage SDA312A SDA312B SDA312C SDA312D SDA312E SDA312F SDA312G	V_{RRM} V_{RWM} V_R	50 100 200 400 600 800 1000	Volts
Average Rectified Forward Current (Resistive load, 60Hz, Sine Wave, $T_A = 25^\circ\text{C}$, No Heatsink)	I_o	10	Amps
Peak Surge Current (8.3 ms Pulse, Half Sine Wave, $T_A = 25^\circ\text{C}$, per leg)	I_{FSM}	75	Amps
Operating and Storage Temperature	$T_{OP} \text{ \& } T_{stg}$	-55 TO +150	$^\circ\text{C}$
Maximum Thermal Resistance Junction to Case	θ_{JC}	1.5	$^\circ\text{C/W}$

NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET # : RA0001A

TEMPERATURE DERATING CURVE