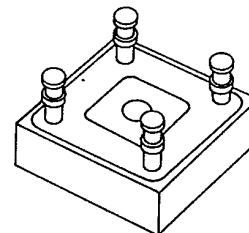


SDA 304

T-23-07

10 amp rectifier assembly

- * Average Output Current 10 Amps
- * PIV 50 to 1000 Volts
- * Maximum Thermal Resistance 5°C/Watt
Junction to Case
- * Hermetically Sealed Diode Cells
- * All Machined Aluminum Case
- * Turret Terminal



SSDI introduces a new and complete series of bridge rectifier assemblies. Designed in cast aluminum cases to provide maximum thermal conductivity and simple installation.

Consult your factory representative for engineering assistance.

SEMTECH EQUIVALENT: SCBH05-SCBH6

UNITRODE EQUIVALENT: 680-1 thru 680-6

Preliminary data sheet/Subject to change without notice

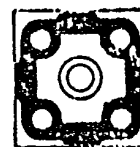
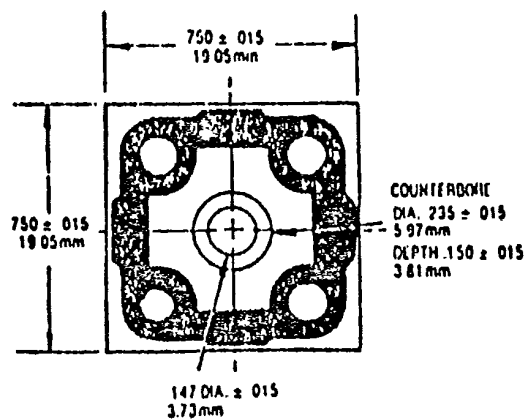
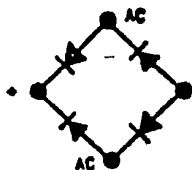
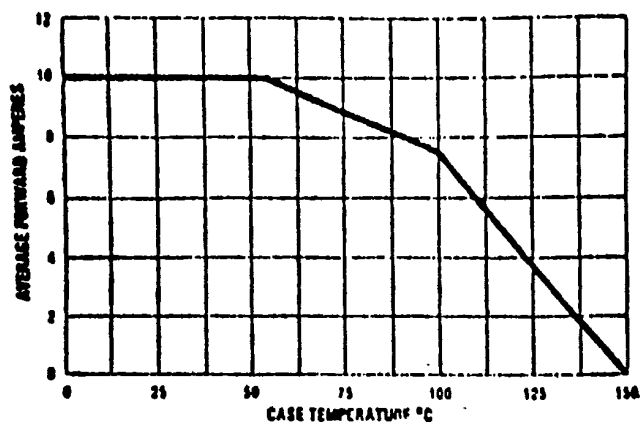
Type	PIV per leg	Sine Wave RMS input Voltage Max.	Average DC Output Amps TC = (case temp.)		Average DC Output Amps TA = Ambient Temp (No heat Sink)			Peak 1 Cycle Forward Surge	Peak Recurrent Forward	VF Max per leg @ ADC	Reverse Current (IR Max. per leg, @ PIV)	
			55°C	100°C	25°C	55°C	100°C				25°C	100°C
	VOLTS	VOLTS	AMPS	AMPS		AMPS	AMPS	AMPS	AMPS	VOLTS	UA	UA
SDA304 A	50	35	10	6	4	3	1.7	125	60	1	2	50
SDA304 B	100	70	10	6	4	3	1.7	125	60	1	2	50
SDA304 C	200	140	10	6	4	3	1.7	125	60	1	2	50
SDA304 D	400	280	10	6	4	3	1.7	125	60	1	2	50
SDA304 E	600	420	10	6	4	3	1.7	125	60	1	2	50
SDA304 F	800	560	10	6	4	3	1.7	125	60	1	2	50
SDA304 G	1000	700	10	6	4	3	1.7	125	60	1	2	50

SSDI SOLID STATE DEVICES, INC.

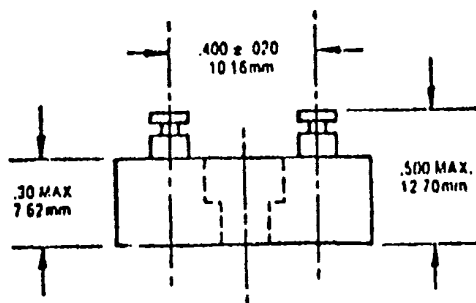
7/86

SSDII

TEMPERATURE DERATING CURVE



ACTUAL SIZE

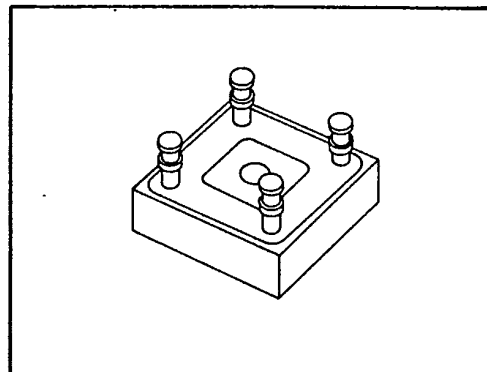


Units are given in inches and millimeters and are based upon one inch = 25.4 mm.

SDA 267

10 amp rectifier assembly

- * AVERAGE OUTPUT CURRENT 10 AMPS
- * PIV 50 TO 1000 VOLTS
- * 150 NSEC. MAXIMUM RECOVERY
- * MAXIMUM THERMAL RESISTANCE 5°C/WATT
JUNCTION TO CASE
- * HERMETICALLY SEALED DIODE CELLS
- * TURRET TERMINAL



SSDI introduces a new and complete series of fast recovery bridge rectifier assemblies. Designed in cast aluminum cases to provide maximum thermal conductivity and simple installation.

SEMTECH EQUIVALENT: SCBH05F through SCBH4F (up to 400V)
UNITRODE EQUIVALENT: 684-1 through 684-6 (up to 600V)

Type	PIV per leg	Sine Wave RMS input Voltage Max.	Average DC Output Amps TC = (case temp.)		Average DC Output Amps TA = Ambient Temp (No heat Sink)			Peak 1 Cycle Forward Surge	Peak Recurrent Forward	VF Max per leg @ ADC	Reverse Current (I _R Max. per leg. @ PIV)	
			55°C	100°C	25°C	55°C	100°C				25°C	100°C
	VOLTS	VOLTS	AMPS	AMPS		AMPS	AMPS	AMPS	AMPS	VOLTS	UA	UA
SDA267 A	50	35	10	6	4	3	1.7	125	60	1.2	2	50
SDA267 B	100	70	10	6	4	3	1.7	125	60	1.2	2	50
SDA267 C	200	140	10	6	4	3	1.7	125	60	1.2	2	50
SDA267 D	400	280	10	6	4	3	1.7	125	60	1.2	2	50
SDA267 E	600	420	10	6	4	3	1.7	125	60	1.2	2	50
SDA267 F	800	560	10	6	4	3	1.7	125	60	1.2	2	50
SDA267 G	1000	700	10	6	4	3	1.7	125	60	1.2	2	50

Recovery conditions: 0.5 amp forward current to 1.0 amp reverse current. Recovery time is measured when rectifier recovers to 25 amp.

Specifications subject to change without notice.

SSDI

SOLID STATE DEVICES, INC.

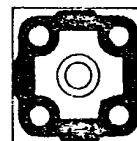
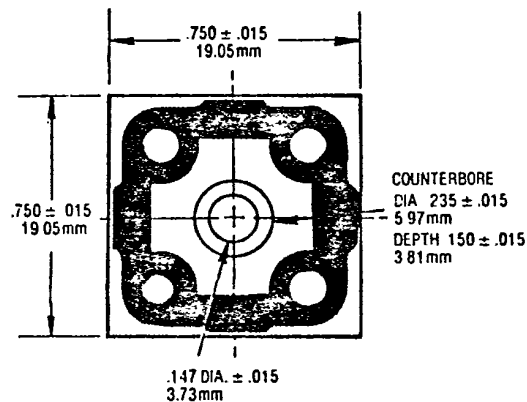
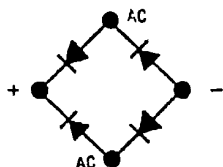
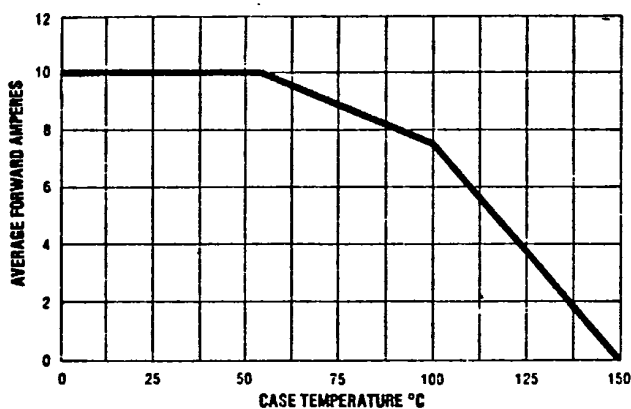


SOLID STATE DEVICES, INC.

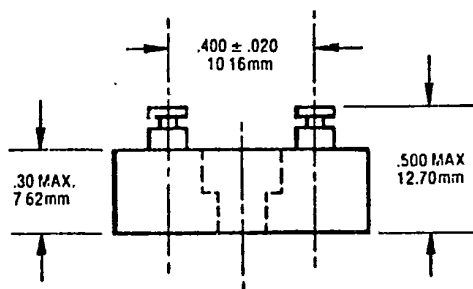
P.O. Box 577, La Mirada, California 90637

Telephone: (213) 921-9660 • TWX 910-583-4807 • FAX#213-921-23

TEMPERATURE DERATING CURVE



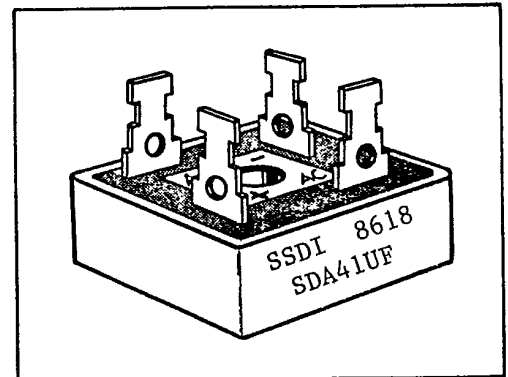
ACTUAL SIZE



Metric equivalents are given for general information only and are based upon one inch = 25.4 MM.

SDA41UF**14.5 AMP RECTIFIER ASSEMBLY**

- Average Output Current 14.5 Amps
- PIV 50 to 600 Volts
- Reverse Recovery Time*70ns Max
- Max Thermal Resistance Junction to Case
1.5°C/Watt
- All Welded Interconnects
- Hermetically Sealed
- Universal 3 Way Terminals
- Aluminum Case



SSDI introduces a new and complete line of Single Phase, Ultra Fast Rectifier Bridge Assemblies. Designed in aluminum cases to provide maximum thermal conductivity and simple operation. A unique 3 way terminal provides the designer a choice of using Faston terminals, wire wrap or soldering hole. This series features SSDI's exclusive glass passivated rectifier cells and welded interconnects for high reliability and mechanical strength. Hyper Fast and Standard Recovery Bridges are also available.

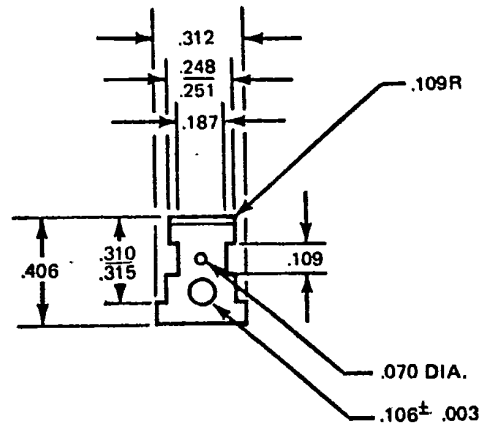
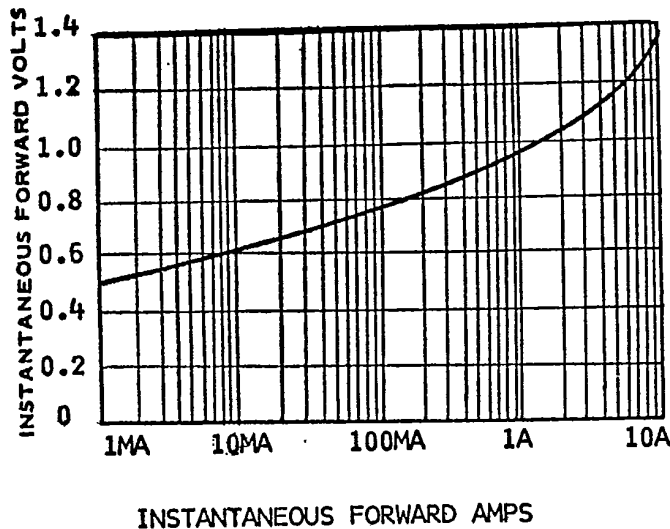
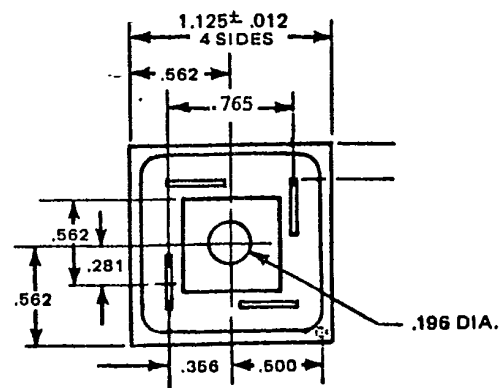
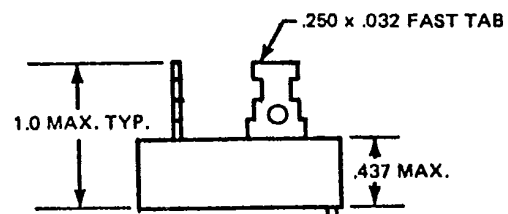
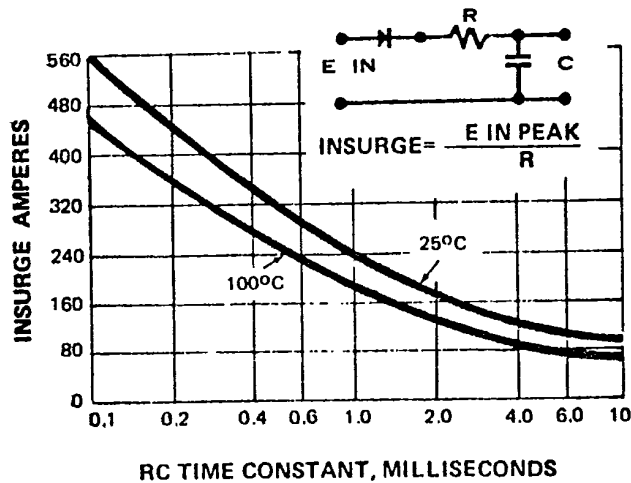
Consult your factory representative for engineering assistance.

Type	PIV per leg	Sine Wave RMS input Voltage Max.	Average DC Output Amps TC = (case temp.)		Reverse Recovery Time *T _{rr}	Average DC Output Amps TA = Ambient Temp (No heat Sink)		Peak 1 Cycle Forward Surge	Peak Recurrent Forward	VF Max per leg @ ADC 3	Reverse Current (I _R Max. per leg. @ 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
SDA41AUF	50	35	14.5	10.5	70	5	4	75	25	1.35	20	500
SDA41BUF	100	70	14.5	10.5	70	5	4	75	25	1.35	20	500
SDA41CUF	200	140	14.5	10.5	70	5	4	75	25	1.35	20	500
SDA41DUF	300	210	14.5	10.5	70	5	4	75	25	1.35	20	500
SDA41EUF	400	280	14.5	10.5	70	5	4	75	25	1.35	20	500
SDA41FUF	500	350	14.5	10.5	70	5	4	75	25	1.35	20	500
SDA41GUF	600	420	14.5	10.5	70	5	4	75	25	1.35	20	500

Higher Voltages Are Available. Contact Factory.

NOTE: Specifications Subject to Change Without Notice.
*Recovery Time Conditions; I_F = .5A, I_R = 1A, I_{rr} = .25A

SSDI SOLID STATE DEVICES, INC.

SSDII**application notes****TYPICAL DYNAMIC FORWARD CHARACTERISTICS****MAXIMUM RATINGS FOR CAPACITY LOADS**

TOLERANCE XX±.03
 XXX±.020
 FRACTIONAL = NOMINAL DIMENSION

SSDII**SOLID STATE DEVICES, INC.**