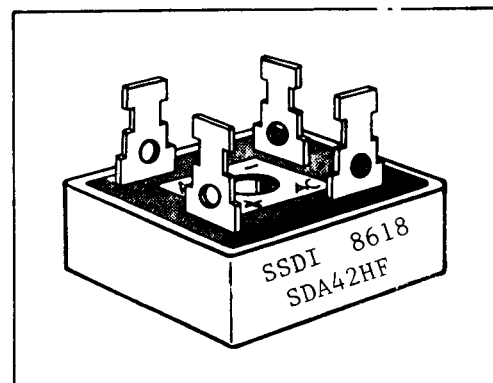


SDA42HF

X00093

14.5 AMP RECTIFIER ASSEMBLY

- Average Output Current 14.5 Amps
- PIV 50 to 600 Volts
- Reverse Recovery Time *40ns Max
- Max Thermal Resistance Junction to Case
1.5°C/Watt
- All Welded Interconnects
- Hermetically Sealed Diode Cells
- Universal 3 Way Terminals
- Aluminum Case



SSDI introduces a new and complete line of Single Phase, Hyper 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. Ultra 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
SDA42AHF	50	35	14.5	10.5	40	5	4	75	25	1.35	10	1000
SDA42BHF	100	70	14.5	10.5	40	5	4	75	25	1.35	10	1000
SDA42CHF	200	140	14.5	10.5	40	5	4	75	25	1.35	10	1000
SDA42DHF	300	210	14.5	10.5	40	5	4	75	25	1.35	10	1000
SDA42EHF	400	280	14.5	10.5	40	5	4	75	25	1.35	10	1000
SDA42FHF	500	350	14.5	10.5	40	5	4	75	25	1.35	10	1000
SDA42GHF	600	420	14.5	10.5	40	5	4	75	25	1.35	10	1000

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

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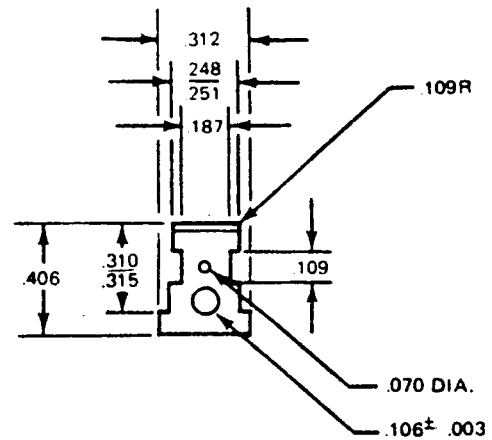
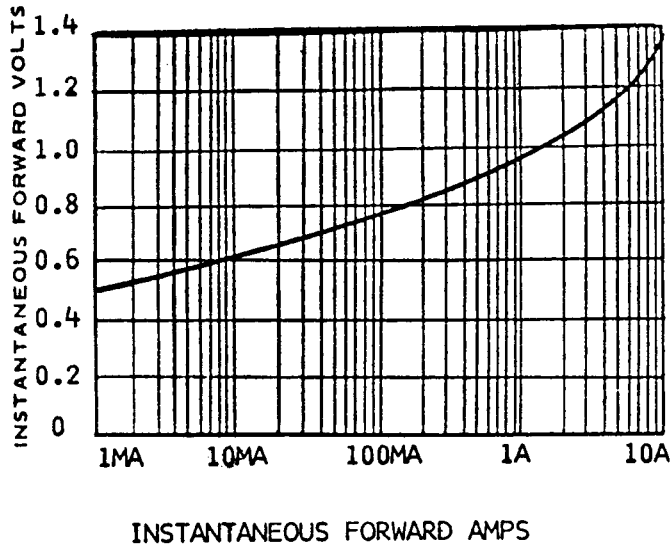
SSDI

SOLID STATE DEVICES, INC.

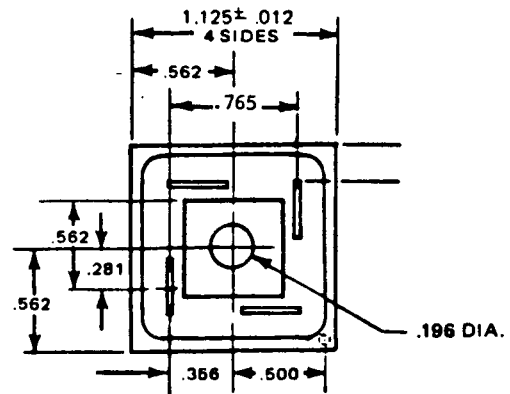
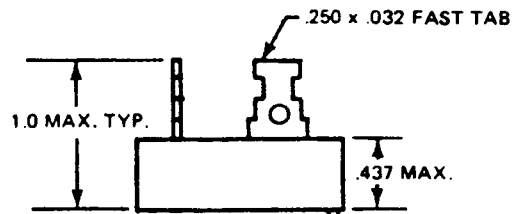
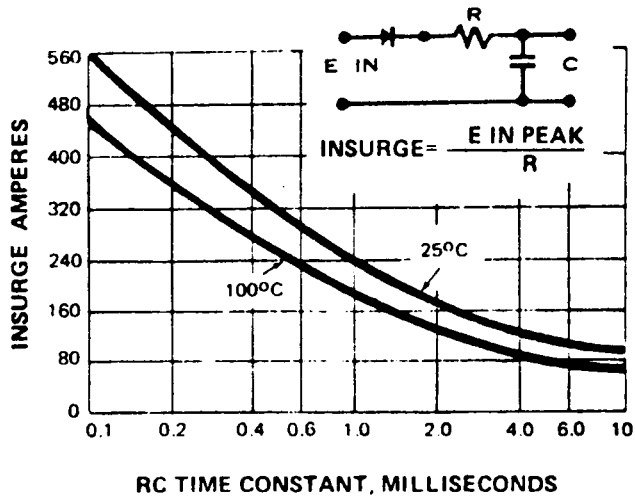


application notes

TYPICAL DYNAMIC FORWARD CHARACTERISTICS



MAXIMUM RATINGS FOR CAPACITY LOADS



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

SSDII SOLID STATE DEVICES, INC.