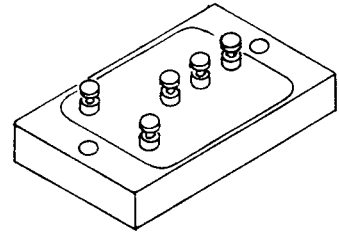


SDA37UF

10 AMP RECTIFIER ASSEMBLY

X00102

- Average Output Current 10 Amps
- Reverse Recovery Time*70ns Max
- PIV 100 to 600 Volts
- Aluminum Case
- Glass Passivated Diode Cells
- Case Electrically Insulated
- Efficient Thermal Design



SSDI introduces a new and complete series of three phase, Ultra Fast, Bridge Rectifier Assemblies. These units are designed in cast aluminum cases to provide maximum thermal conductivity and simple installation.

Replaces Semtech SC3BH05F to SC3BH6F and Unitrode 696-1 to 696-6 when faster switching times are required.

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
SDA37AUF	100	70	10	7	70	3	2.2	75	18	1.35	20	500
SDA37BUF	200	140	10	7	70	3	2.2	75	18	1.35	20	500
SDA37CUF	300	210	10	7	70	3	2.2	75	18	1.35	20	500
SDA37DUF	400	280	10	7	70	3	2.2	75	18	1.35	20	500
SDA37EUF	500	350	10	7	70	3	2.2	75	18	1.35	20	500
SDA37FUF	600	420	10	7	70	3	2.2	75	18	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

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SSDI

SOLID STATE DEVICES, INC.

TEMPERATURE DERATING CURVE

