

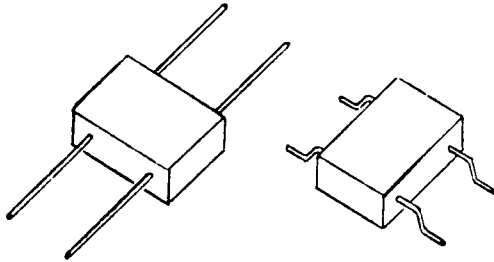
X00089

SSDI

SDA356

FAST & ULTRA FAST 1 AMP RECTIFIER ASSEMBLY

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TWX 910-583-4807
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CASE STYLE**FEATURES**

- REVERSE RECOVERY TIME 30-70 N SEC MAX
- AVERAGE OUTPUT CURRENT 1.0 AMPS
- PIV 100 TO 1200 VOLTS
- HERMETICALLY SEALED INTERNAL DISCRETES
- ALL WELDED INTERNAL INTERCONNECTS
- THERMALLY CONDUCTIVE EPOXY ENCAPSULATED
- SURFACE OR RADIAL MOUNTING*

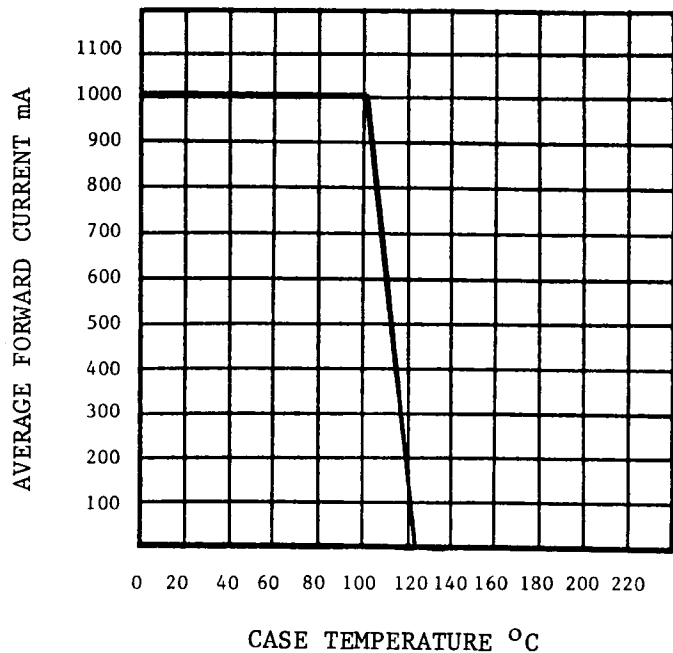
SSDI introduces a new and complete line of Single Phase, Rectifier Bridge Assemblies designed for Fast and Ultra Fast reverse recovery time. These bridges are encapsulated with thermal conductive epoxy to provide maximum thermal conductivity. The series features SSDI's exclusive glass passivated rectifier cell and all welded internal interconnects for high reliability and mechanical strength.

*For surface mounting add -2 to part number.

Type	PIV per leg	Sine Wave RMS input Voltage Max.	Average DC Output Amps TC = (case temp.)		Reverse * Recovery Time T _{rr}	Peak 1 Cycle Forward Surge	Peak Recurrent Forward	VF Max per leg @ ADC 1.0 A	Reverse Current (I _R Max. per leg. @ PIV)		
			50°C	100°C					25°C	100°C	
	VOLTS	VOLTS	AMPS	AMPS	ns	AMPS	AMPS	VOLTS	UA	UA	
SDA356B	F	100	70	1.0	1.0	100	25	6	1.1	5	100
	UF	100	70	1.0	1.0	30	25	6	1.0	5	100
SDA356D	F	200	140	1.0	1.0	100	25	6	1.1	5	100
	UF	200	140	1.0	1.0	30	25	6	1.0	5	100
SDA356G	F	400	280	1.0	1.0	100	25	6	1.1	5	100
	UF	400	280	1.0	1.0	60	25	6	1.5	5	100
SDA356J	F	600	420	1.0	1.0	100	25	6	1.1	5	100
	UF	600	420	1.0	1.0	60	25	6	1.5	5	100
SDA356K	F	800	560	1.0	1.0	100	25	6	1.1	5	100
	UF	800	560	1.0	1.0	60	25	6	1.5	5	100
SDA356M	F	1000	700	1.0	1.0	100	25	6	1.3	5	100
	UF	1000	700	1.0	1.0	70	25	6	1.9	5	100
SDA356N	F	1200	840	1.0	1.0	100	25	6	1.3	5	100
	UF	1200	840	1.0	1.0	70	25	6	1.9	5	100

NOTE: All specifications subject to change without notice.

TEMPERATURE DERATING CURVE



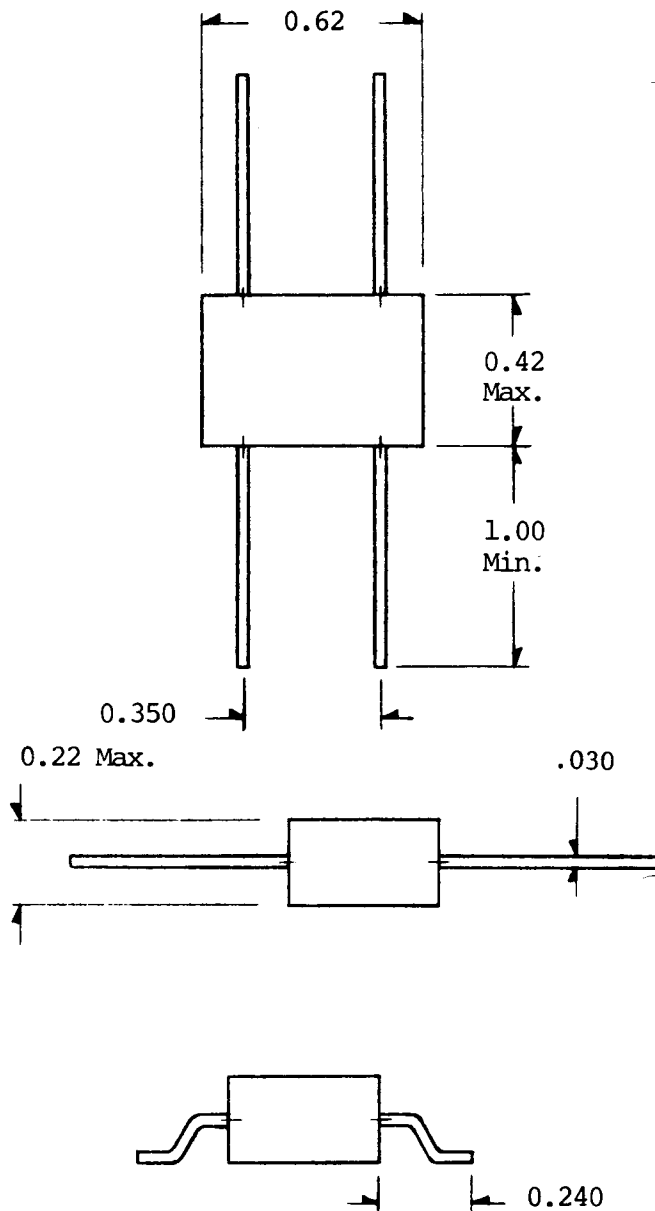
DESIGN NOTES

Insulation Resistance R_{DC} 10 KM Ω Minimum

Operating Temperature Top -55 to +125 °C

Thermal Resistance Junction to Lead
(each leg, L= 3/8") $R_{\theta JL}$ 50°C/W

Reverse Recovery Time
IF= 500 mA, IR= 1.0 A, Irr= 250 mA



Tolerance XX.03
XXX.020

