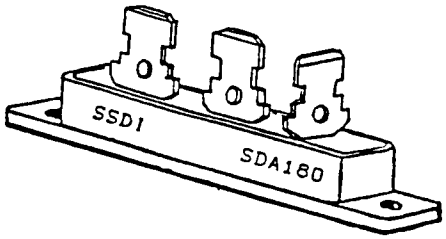
X000081

SDA180
15 AMP
RECTIFIER ASSEMBLY
50 - 1000 VOLTS

SSDI

14849 FIRESTONE BLVD.
LA MIRADA, CA 90638
TEL: (213) 921-9660
FAX: (213) 921-2396

CASE STYLE



FEATURES

- Average Output Current 15 Amps
- PIV 50 to 1000 Volts
- Max. Thermal Resistance 1.5 °C/Watt
- Glass Passivated Rectifier Cells
- Choice of Three Terminal Configurations
- Hermetically Sealed

SDA180 is a complete series of doublers and center tap rectifier circuits, designed in cast aluminum cases to provide maximum thermal conductivity and simple installation. A unique three-way terminal provides the designer a choice of using faston terminals, wire wrap or soldering holes. Also available in Fast, Ultra-Fast, and Hyper-Fast reverse recovery versions. Consult your component specialist for engineering assistance.

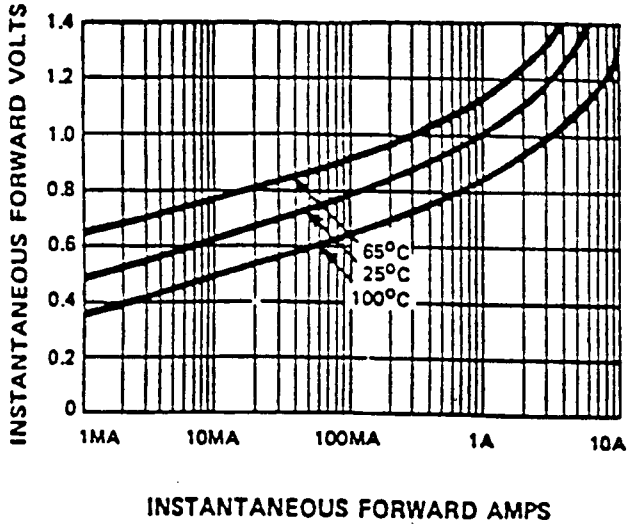
Semtech Equivalent: SC*A2 - SC*A6
Unitrode Equivalent: 681-1 - 681-6

Type	PIV per leg	Sine Wave RMS Input Voltage Max.	Average DC Output Current			Average DC Output Current (No Heat Sink)			Peak 1 Cycle Forward Surge Current	Peak Repet. Forward Current	VF Max. per leg @5Adc	Reverse Current (IR Max. per leg @ PIV)	
TC °C →	25	25	55	100	125	25	55	100	25	25	25	25	100
	Vdc	Vdc	Adc	Adc	Adc	Adc	Adc	Adc	Adc	Adc	Vdc	uA	uA
SDA180A	50	35	15	10	5	5	4	2.5	150	75	1.0	1	50
SDA180B	100	70	15	10	5	5	4	2.5	150	75	1.0	1	50
SDA180C	200	140	15	10	5	5	4	2.5	150	75	1.0	1	50
SDA180D	400	280	15	10	5	5	4	2.5	150	75	1.0	1	50
SDA180E	600	420	15	10	5	5	4	2.5	150	75	1.0	1	50
SDA180F	800	560	15	10	5	5	4	2.5	150	75	1.0	1	50
SDA180G	1000	700	15	10	5	5	4	2.5	150	75	1.0	1	50

Note: Specifications subject to change without notice.

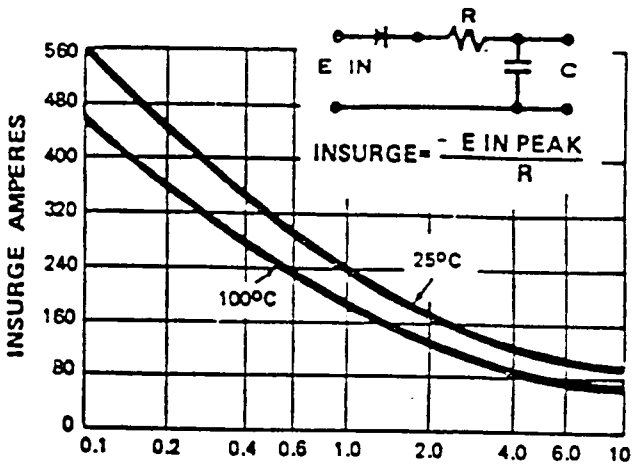
TYPICAL OPERATING CURVES

TYPICAL DYNAMIC FORWARD CHARACTERISTICS
AT VARIOUS JUNCTION TEMPERATURES PER LEG



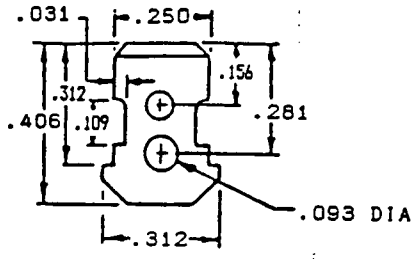
INSTANTANEOUS FORWARD AMPS

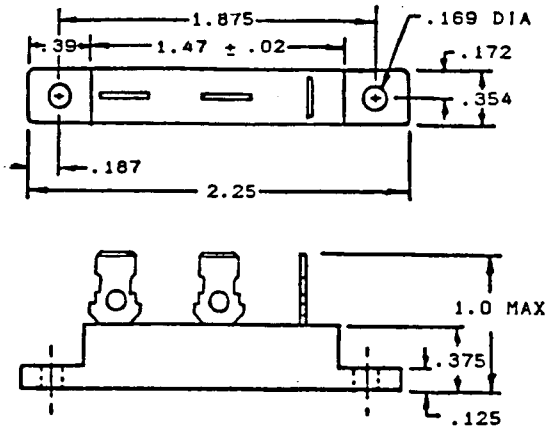
MAXIMUM RATINGS FOR CAPACITY LOADS



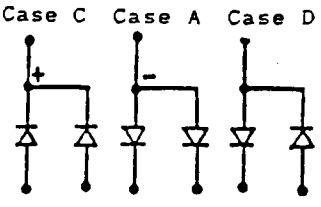
RC TIME CONSTANT, MILLISECONDS

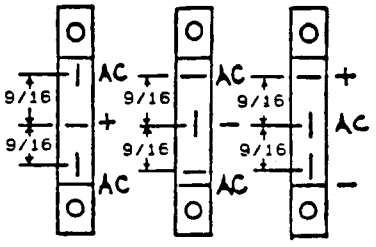
PHYSICAL DIMENSIONS





TERMINAL CONFIGURATION





SSDI

SOLID STATE DEVICES, INC.
14849 FIRESTONE BOULEVARD LA MIRADA, CA 90638
TELEPHONE: (213) 921-9660 FAX: (213) 921-2396