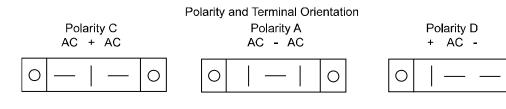


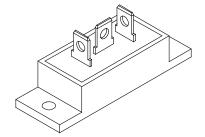
Maximum Ratings	Symbol	Value	Units	
Peak Repetitive Reverse and DC Blocking Voltage	SDA188D_UF SDA188E_UF SDA188F_UF SDA188G_UF	V _{RRM} V _{RWM} V _R	400 600 800 900	Volts
Average Rectified Forward Current (Resistive Load, 60 Hz Sine Wave, $T_A = 55^{\circ}C$)		lo	50	Amps
Peak Surge Current (8.3 ms Pulse, Half Sine Wave, $T_A = 25^{\circ}C$)		I _{FSM}	350	Amps
Operating & Storage Temperature		Top & Tstg	-55 to +150	°C
Maximum Thermal Resistance Junction to Case		$R_{ extsf{ heta}JC}$	1.0	°C/W

Notes:

1/ For ordering information, price, operating curves, and availability – contact factory.

2/ Screening based on MIL-PRF-19500. Screening flows available on request.





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NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release. **DATA SHEET #: RA0051B**

DOC



SDA188UF Series

DOC

14701 Firestone Blvd * La Mirada, CA 90638 Phone: (562) 404-4474 * Fax: (562) 404-1773 ssdi@ssdi-power.com * www.ssdi-power.com

ELECTRICAL CHARACTERISTICS

Part Number CT= Common Cathode CA= Common Anode D= Doubler	Peak Inverse Voltage (per leg)	Average Rectified Forward Current	Average Rectified Forward Current	Peak Surge Current (1 Cycle)	Forward Voltage Drop (per leg) 300 µsec Pulse @ 25A	(per leg)	Reverse Recovery Time @ $I_F = 0.5 \text{ A}, I_R = 1\text{A}, I_{RR} = 0.25 \text{ A},$
Symbol	PIV	Ιo	l _o	I _F	V _F	I _R	t _{rr}
Units	Volts	Amps	Amps	Amps	Volts	μA	ns
Conditions		55°C	100°C	25°C	25°C	25°C	25°C
SDA188D_UF	400	50	33	350	2.0	15	100
SDA188E_UF	600	50	33	350	2.0	15	100
SDA188F_UF	800	50	33	350	2.0	15	100
SDA188G_UF	900	50	33	350	2.0	15	100

