Solid State Devices, Inc. 14701 Firestone Blvd * La Mirada, CA 90638		SDA25-3UF			
Phone: (562) 404-4474 * Fax: (562) 404-1773 ssdi@ssdi-power.com * www.ssdi-power.com Designer's Data Sheet Part Number/Ordering Information ^{1/} SDA25- 03 UF S	SING	ULTRA FA	P, 70 nsec ST RECOVE BRIDGE ASS		
Image:	 300 500 Ave Low Glass Hern Alur 	a fast recovery: 7 0 V blocking volta 0 V dielectric volta rage output curre reverse leakage ss passivated rec metically sealed of ninum base for m	ige age nt: 10 amps current tifiers		
MAXIMUM RATINGS ^{3/}		SYMBOL	VALUE	UNIT	
Peak Repetitive Reverse and DC Blocking Voltage		V _{RM} V _{RWM}	3,000	Volts	

Teak Repetitive Reverse and Do Diocking Voltage	VR VR	3,000	VOIIS
Average Rectified Forward Current Resistive load, 60Hz, sine wave, $T_A = 25^{\circ}C$, no heatsink	lo	10	Amps
Peak Surge Current 8.3 ms pulse, half sine wave, $T_A = 25^{\circ}C$, per leg	I _{FSM}	75	Amps
Operating and Storage Temperature	T _{OP} & T _{STG}	-55 to +150	°C
Maximum Thermal Resistance, Junction to Case	θ _{JC}	1.5	°C/W

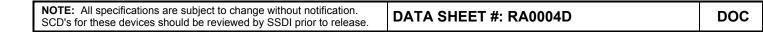
NOTES:

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

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

3/ Unless otherwise specified, all electrical characteristics @ 25°C.





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ELECTRICAL CHARACTERISTICS (per leg) ^{$3/$}			
PARAMETER	SYMBOL	VALUE	UNIT
Instantaneous Forward Voltage Drop $I_F = 3A, 300 - 500 \mu sec pulse$	V _F	6	Volts
Reverse Leakage Current Rated V _R , 300µs pulse minimum	I _{R1}	5	μΑ
Reverse Leakage Current Rated V _R , T_A = 100°C, 300µs pulse minimum	I _{R2}	0.5	mA
Reverse Recovery Time $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$	t _{RR}	70	nsec

