



Solid State Devices, Inc.

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

SDA628 Series

Electrical Characteristic ^{3/ 4/}	Symbol	Min	Typ	Max	Units
Instantaneous Forward Voltage Drop (300 - 500 μsec pulse) I_F = 6A	V _{FI}	—	0.90	0.95	Volts
Reverse Leakage Current (Rated V _R , 300 μsec pulse minimum)	I _{R1}	—	5.0	10	μA
Reverse Leakage Current (Rated V _R , T _A = 100°C, 300 μsec pulse minimum)	I _{R2}	—	0.2	0.3	mA
Reverse Recovery Time I _F = 0.5A, I _R = 1.0A, I _{TR} = 0.25A	trr	—	35	50	nS
Insulation Leakage V_R = 1000V (All Terminals to Case) R _{INS} = 100 MΩ		—	—	10	μA

NOTES:

- 1/ For Ordering Information, Price, and Availability Contact Factory.
- 2/ Rating Applies to the Total Bridge.
- 3/ Derate Linearly at 0.189 A/°C for T_C > 55°C.
- 4/ Unless Otherwise Specified, All Electrical Characteristics @25°C.

