



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

**SPD3899
 Thru
 SPD3903**

Electrical Characteristics	Symbol	Max	Units
Instantaneous Forward Voltage Drop ($I_F = 20 \text{ A dc}$, $T_A = 25 \text{ }^\circ\text{C}$, 300 μs pulse)	V_F	1.40	V_{DC}
Instantaneous Forward Voltage Drop ($I_F = 20 \text{ A dc}$, $T_A = -55 \text{ }^\circ\text{C}$, 300 μs pulse)	V_F	1.55	V_{DC}
Reverse Leakage Current (Rated V_R , $T_A = 25 \text{ }^\circ\text{C}$, 300 μs pulse minimum)	I_R	25	μA
Reverse Leakage Current (Rated V_R , $T_A = 100 \text{ }^\circ\text{C}$, 300 μs pulse minimum)	I_R	2.5	mA
Reverse Recovery Time ($I_F = 500 \text{ mA}$, $I_R = 1 \text{ Amp}$, $I_{RR} = 250 \text{ mA}$, $T_A = 25 \text{ }^\circ\text{C}$)	t_{RR}	120	nsec
Junction Capacitance ($V_R = 10V_{DC}$, $T_A = 25^\circ\text{C}$, $f = 1\text{MHz}$)	C_J	300	pF

Table 1- PIN ASSIGNMENT

Code	Configuration	Terminal	Stud
—	Normal	Anode	Cathode
R	Reverse	Cathode	Anode

