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Solid State Devices, Inc.

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SDR3595A2GW

ELECTRICAL CHARACTERISTICS ^{4/}		Symbol	Typ	Max	Units
Maximum Forward Voltage Drop ^{5/}	(I _F = 200 mA)	V _{F1}	0.98	1.00	Volts
	(I _F = 100 mA)	V _{F2}	0.92	0.96	
	(I _F = 50 mA)	V _{F3}	0.87	0.89	
	(I _F = 10 mA)	V _{F4}	0.79	0.81	
	(I _F = 5 mA)	V _{F5}	0.75	0.78	
	(I _F = 1 mA)	V _{F6}	0.68	0.70	
Maximum Reverse Leakage Current ^{5/}	(V _R = 125 V, T _A = 25°C)	I _{R1}	1.0	2.0	nA
	(V _R = 30 V, T _A = 125°C)	I _{R2}	35	3.0	nA
	(V _R = 125 V, T _A = 125°C)	I _{R3}	75	500	nA
	(V _R = 125 V, T _A = 150°C)	I _{R4}	0.5	3	μA
Max Junction Capacitance (V _R = 0 V, f = 1 MHz)		C _J	4	8	pF

REVERSE RECOVERY CHARACTERISTICS	Symbol	Min	Typ	Max	Unit
Reverse Recovery Time (I _F = 10 mA, I _R = 10 mA, I _M = 1 mA)	t _{rr}	—	40	60	ns

NOTES:

1/ For Ordering Information, Price, and Availability Contact Factory.

2/ Screening per MIL-PRF-19500

3/ For Package Outlines Contact Factory.

4/ Unless Otherwise Specified, All Electrical Characteristics @25°C

5/ Pulsed

Available Part Numbers:
SDR3595A2GW

PIN ASSIGNMENT (Standard)						
Package	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6
Gullwing	C1		A1	C2		A2



DATA SHEET APPROVAL FORM

Data Sheet Number RU0002 Rev B Check Box to Include on Web: X

Part Number(s): SDR3595A2GW

Approval	Sign	Date
Engineering Manager:		
Executive / CEO		
Operation Manager:		
Marketing Manager:		
Quality Manager:		

Revisions

ECO No	REV	DATE	DESCRIPTION	APPROVAL
E-040019	B	01/15/04	Correction of typo's in datasheet	