



Solid State Devices, Inc.

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**SDR1D
 thru
 SDR1N**

ELECTRICAL CHARACTERISTICS ^{3/}

CHARACTERISTICS		SYMBOL	VALUE	UNIT
Instantaneous Forward Voltage Drop ($I_F = 1A_{dc}$, 300- 500 μs Pulse, $T_A = 25^\circ C$)	SDR1D thru SDR1J SDR1K thru SDR1N	V_{F1}	1.70 1.90	Vdc
Instantaneous Forward Voltage Drop ($I_F = 1A_{dc}$, 300- 500 μs Pulse, $T_A = -55^\circ C$)	SDR1D thru SDR1J SDR1K thru SDR1N	V_{F2}	2.10 2.30	Vdc
Maximum Reverse Leakage Current (Rated V_R , 300 μs Pulse Minimum , $T_A = 25^\circ C$)		I_{R1}	5	μA
Maximum Reverse Leakage Current (Rated V_R , 300 μs Pulse Minimum , $T_A = 100^\circ C$)		I_{R2}	500	μA
Junction Capacitance ($V_R = 10V_{dc}$, $T_A = 25^\circ C$, $f = 1MHz$)		C_J	24	pf
Maximum Reverse Recovery Time ^{4/}	SDR1D thru SDR1J SDR1K SDR1M SDR1N	t_{rr}	50 60 70 80	ns

Axial Leaded Case Outline ^{5/}:

DIMENSIONS		
DIM.	MIN.	MAX.
A	---	.150"
B	---	.190"
C	.027"	.033"
D	.95"	---

The diagram shows a side view of an axial lead case with dimensions D (lead length), B (case diameter), and ØC (lead diameter). A top view shows the case diameter as ØA and the lead diameter as ØC.