



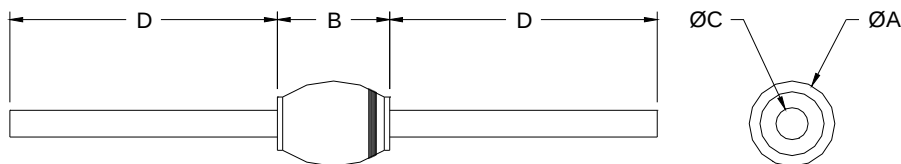
Solid State Devices, Inc.

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SDR1304 thru SDR1308 SDR1304SMS thru SDR1308SMS

Electrical Characteristics	Part Type	Symbol	Min	Max	Units
Instantaneous Forward Voltage Drop ($T_A = 25^\circ\text{C}$, pulsed) $I_F = 3\text{A}$	SDR1304 - 1306 SDR1308	V_{F1}	—	1.25 1.35	Volts
Instantaneous Forward Voltage Drop ($T_A = -55^\circ\text{C}$, pulsed) $I_F = 3\text{A}$	SDR1304 - 1306 SDR1308	V_{F2}	—	1.40 1.50	Volts
Reverse Leakage Current (Rated V_R , $T_A = 25^\circ\text{C}$, pulsed)	All	I_{R1}	—	10	μA
Reverse Leakage Current (Rated V_R , pulsed)	SDR1304 - 1306 @ 125°C SDR1308 @ 100°C	I_{R2}	—	150 150	μA
Junction Capacitance ($V_R = 10\text{Vdc}$, $T_A = 25^\circ\text{C}$, $f = 1\text{MHz}$)	All	C_J	—	50	pF
Reverse Recovery Time ($I_F = 500\text{mA}$, $I_R = 1\text{A}$, $I_{RR} = 0.25\text{A}$)	All	t_{rr}	—	70	nsec

Case Outline: (Axial)



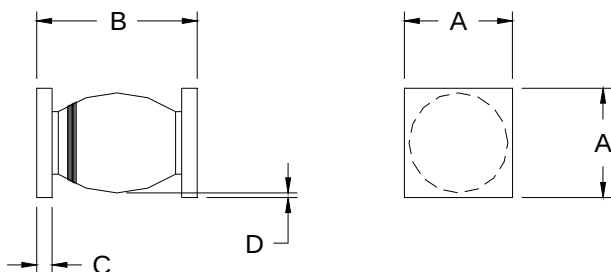
DIMENSIONS SDR1304 & SDR1306

DIM	MIN	MAX
A	0.140"	0.170"
B	—	0.200"
C	0.047"	0.053"
D	1.00"	—

DIMENSIONS SDR1308

DIM	MIN	MAX
A	0.140"	0.170"
B	—	0.215"
C	0.045"	0.053"
D	1.00"	—

Case Outline: Surface Mount (SMS)



DIMENSIONS SDR1304 & SDR1306

DIM	MIN	MAX
A	0.172"	0.180"
B	0.200"	0.250"
C	0.020"	0.035"
D	0.002"	—

DIMENSIONS SDR1308

DIM	MIN	MAX
A	0.172"	0.180"
B	0.200"	0.265"
C	0.020"	0.035"
D	0.002"	—

NOTE: All specifications are subject to change without notification.
SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET #: RU0095D

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