



Solid State Devices, Inc.

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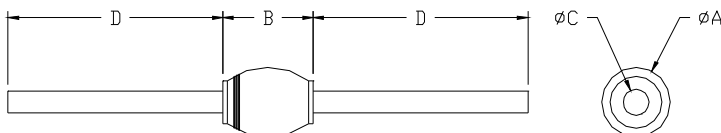
ssdi@ssdi-power.com * www.ssdi-power.com

2/ Screening Based on MIL-PRF-19500. Screening Flows Available on Request.

SPD5614 thru SPD5622
SPD5614SM thru SPD5622SM
SPD5614SMS thru SPD5622SMS

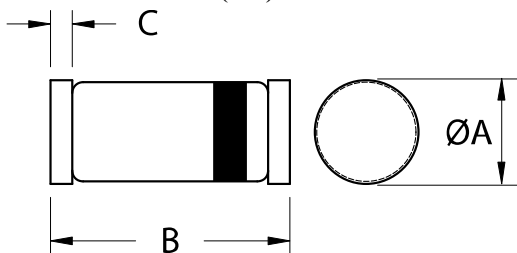
ELECTRICAL CHARACTERISTICS	Symbol	Value	Unit
Instantaneous Forward Voltage Drop ($I_F = 1$ Amp, $T_A = 25^\circ\text{C}$, 300-500 μs Pulse)	V_F	1.0	Volts
Instantaneous Forward Voltage Drop ($I_F = 1$ Amp, $T_A = -55^\circ\text{C}$, 300-500 μs Pulse)	V_F	1.2	Volts
Reverse Leakage Current (Rated V_R , $T_A = 25^\circ\text{C}$, 300 μs Pulse minimum)	I_R	2	μA
Max Reverse Leakage Current (Rated V_R , $T_A = 100^\circ\text{C}$, 300 μs Pulse minimum)	I_R	200	μA
Max Junction Capacitance ($V_R = 10$ V _{DC} , $T_A = 25^\circ\text{C}$, $f = 1$ MHz)	C_J	20	pF
Reverse Recovery Time ($I_F = 500$ mA, $I_R = 1$ A, $I_{RR} = 250$ mA, $T_A = 25^\circ\text{C}$)	t_{rr}	5	μsec

CASE OUTLINE: AXIAL



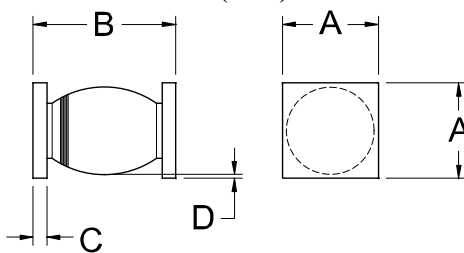
DIMENSIONS		
DIM	MIN	MAX
A	---	.150"
B	---	.180"
C	.027"	.033"
D	1.00"	---

CASE OUTLINE: (SM) SURFACE MOUNT ROUND TAB



DIMENSIONS		
DIM	MIN	MAX
A	.095"	.105"
B	.185"	.205"
C	.010"	.022"

CASE OUTLINE: (SMS) SURFACE MOUNT SQUARE TAB



DIMENSIONS		
DIM	MIN	MAX
A	.125"	.135"
B	.205"	.255"
C	.022"	.028"
D	.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 #: R00011E

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