



Solid State Devices, Inc.

14701 Firestone Blvd * La Mirada, Ca 90638

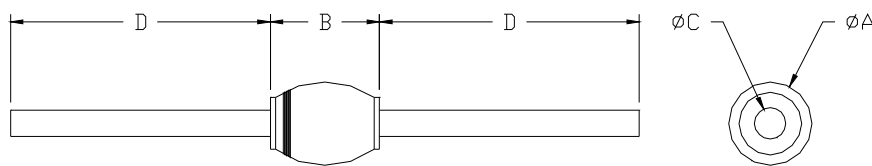
Phone: (562) 404-4474 * Fax: (562) 404-1773

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

**SPD6626 thru SPD6631
SPD6626SMS thru SPD6631SMS**

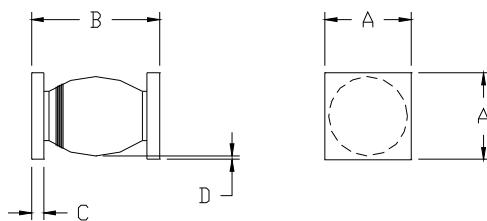
ELECTRICAL CHARACTERISTICS			Symbol	Min	Max	Unit
Instantaneous Forward Voltage Drop ($T_A = 25^\circ\text{C}$, 300 μsec Pulse)	SPD6626 - SPD6628	$I_F = 2 \text{ Adc}$ $I_F = 4 \text{ Adc}$	V_{F1} V_{F2}	— —	1.5 1.6	Vdc
	SPD6629 - SPD6630	$I_F = 1.4 \text{ Adc}$ $I_F = 3 \text{ Adc}$	V_{F1} V_{F2}	— —	1.6 1.8	Vdc
	SPD6631	$I_F = 1.4 \text{ Adc}$ $I_F = 2 \text{ Adc}$	V_{F1} V_{F2}	— —	1.7 1.95	Vdc
Reverse Leakage Current (At Rated V_R , 300 μsec pulse minimum)		$T_A = 25^\circ\text{C}$ $T_A = 100^\circ\text{C}$	I_{R1} I_{R2}	— —	10 1000	μA
Junction Capacitance ($V_R = 10 \text{ V}_{DC}$, $T_A = 25^\circ\text{C}$, $f = 1 \text{ MHz}$)	SPD6626 SPD6627 - SPD6631		C_J	—	100 50	pF
Reverse Recovery Time ($I_F = 500 \text{ mA}$, $I_R = 1 \text{ A}$, $I_{RR} = 250 \text{ mA}$)	SPD6626 - SPD6628	$T_a = 25^\circ\text{C}$ $T_a = 100^\circ\text{C}$	t_{rr1} t_{rr2}	—	30 90	nsec
	SPD6629 - SPD6630	$T_a = 25^\circ\text{C}$ $T_a = 100^\circ\text{C}$	t_{rr1} t_{rr2}	—	50 100	nsec
	SPD6631	$T_a = 25^\circ\text{C}$ $T_a = 100^\circ\text{C}$	t_{rr1} t_{rr2}	—	60 120	nsec

Case Outline: (Axial)



DIM	MIN	MAX
A	—	0.165"
B	—	0.220"
C	0.047"	0.053"
C (B variant)	.038"	.042"
D	.950"	—

Case Outline: (SMS)



DIM	MIN	MAX
A	0.172"	0.180"
B	0.180"	0.280"
C	0.022"	0.028"
D	0.002"	—

Note: Dimensions prior to soldering.

NOTES:

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

2/ Screening based on MIL-PRF-19500. Screening flows available on request.

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

DATA SHEET #: RC0113F

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