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Solid State Devices, Inc.

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SDA167 Series

Electrical Characteristic ^{4/ 5/}		Symbol	Min	Typ	Max	Units
Peak Reverse Voltage ($I_R = 50 \mu A$)	SDA167D SDA167E SDA167F SDA167G	BVR	420 620 820 1020	— — — —	— — — —	Volts
Instantaneous Forward Voltage Drop (300 - 500 μsec pulse)	$I_F = 3A$ $I_F = 9A$	V_{F1}	—	—	1.05 1.20	Volts
Reverse Leakage Current (Rated V_R , 300 μsec pulse minimum)		I_{R1}	—	—	10	μA
Reverse Leakage Current (Rated V_R , $T_A = 100^\circ C$, 300 μsec pulse minimum)		I_{R2}	—	—	100	μA
Insulation Leakage $V_R = 1500V$ (All Terminals to Case) $R_{INS} = 100 M\Omega$			—	—	15	μA

NOTES:

* Pulse Test: Pulse Width = 300 μsec , Duty Cycle = 2%

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

2/ For Package Outlines Contact Factory.

3/ Rating Applies to the Total Bridge.

4/ Derate Linearly at 0.263A/ $^\circ C$ for $T_C > 55^\circ C$.

5/ Unless Otherwise Specified, All Electrical Characteristics @25 $^\circ C$.

Available Part Numbers

Part Number	Document
SDA167D	70-0157-S167
SDA167E	70-0157-S167
SDA167F	70-0157-S167
SDA167G	70-0157-S167
SDA167DT	70-0157-S167-1
SDA167ET	70-0157-S167-1
SDA167FT	70-0157-S167-1
SDA167GT	70-0157-S167-1