





**Solid State Devices, Inc.**

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**SDA167 Series**

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

**NOTES:**

\* Pulse Test: Pulse Width = 300 $\mu$ sec, 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