





# Solid State Devices, Inc.

14830 Valley View Blvd \* La Mirada, Ca 90638

Phone: (562) 404-7855 \* Fax: (562) 404-1773

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

## SDA116 Series

Electrical Characteristic <sup>5/</sup>	Symbol	Min	Typ	Max	Units
<b>Instantaneous Forward Voltage Drop</b> (T <sub>A</sub> = 25°C, pulsed) (T <sub>A</sub> = 25°C, pulsed) (T <sub>A</sub> = -55°C, pulsed)	I <sub>F</sub> = 3A I <sub>F</sub> = 9A I <sub>F</sub> = 9A	—	—	1.40 1.75 1.95	Volts
<b>Reverse Leakage Current</b> (Rated V <sub>R</sub> , T <sub>A</sub> = 25°C, pulsed)	I <sub>R1</sub>	—	—	25	mA
<b>Reverse Leakage Current</b> (Rated V <sub>R</sub> , T <sub>A</sub> = 100°C, pulsed)	I <sub>R2</sub>	—	—	500	mA
<b>Reverse Recovery Time</b> (I <sub>F</sub> = 500 mA, I <sub>R</sub> = 1 A, I <sub>RR</sub> = 250 mA T <sub>A</sub> = 25°C)	t <sub>rr</sub>	—	—	70	ns

### NOTES:

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

2/ For Package Outlines Contact Factory.

3/ Up and Down Bend Configurations are Available for ‘—’ ( Leaded ) Packages Only.

4/ Derate Linearly at 0.26 A/°C for T<sub>C</sub> > 55°C.

5/ Unless Otherwise Specified, All Electrical Characteristics @25°C.

### Mounting Diagram: <sup>2/</sup>

