



Solid State Devices, Inc.

14701 Firestone Blvd * La Mirada, Ca 90638
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SDA267A thru SDA267G

10 AMPS

50 – 1000 VOLTS

FAST RECOVERY

SINGLE PHASE BRIDGE RECTIFIER

Designer's Data Sheet

Part Number/Ordering Information ^{1/}

SDA267

Peak Inverse Voltage

A = 50V, B = 100V, C = 200V, D = 400V
 E = 600V, F = 800V, and G = 1,000V

Screening ^{2/}

FEATURES:

- Average Output Current 10 Amps
- PIV 50 to 1000 Volts
- Reverse Recovery Time 150 ns Max
- Max Thermal Resistance 5.0°C/Watt
- Hermetically Sealed Diode Cells
- Turret Terminal
- Aluminum Case
- Available in Standard, Ultra Fast, and Hyper Fast versions - Consult Factory
- TX and TXV Screening Available

ELECTRICAL CHARACTERISTICS^{3/}

Part Number	Peak Inverse Voltage (per leg)	Sine Wave RMS Input Voltage Max.	Average DC Output Current T _C =Case Temp		Average DC Output Current T _A = Ambient Temp (no heat sink)			Peak Forward Surge Current (1 Cycle)	Peak Repetitive Forward Current	Maximum Forward Voltage (per leg)	Maximum Reverse Current (per leg) @ PIV	
Symbol	PIV	V _r	I _{F (AV)}		I _{F (AV)}			I _{FSM}	I _{FRM}	V _F	I _R	
Units	Volts	Volts	Amps		Amps			Amps	Amps	Volts	μA	
Conditions			55°C	100°C	25°C	55°C	100°C				25°C	100°C
SDA267A	50	35	10	6	4	3	1.7	125	60	1.2	2	50
SDA267B	100	70	10	6	4	3	1.7	125	60	1.2	2	50
SDA267C	200	140	10	6	4	3	1.7	125	60	1.2	2	50
SDA267D	400	280	10	6	4	3	1.7	125	60	1.2	2	50
SDA267E	600	420	10	6	4	3	1.7	125	60	1.2	2	50
SDA267F	800	560	10	6	4	3	1.7	125	60	1.2	2	50
SDA267G	1000	700	10	6	4	3	1.7	125	60	1.2	2	50

NOTES:

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

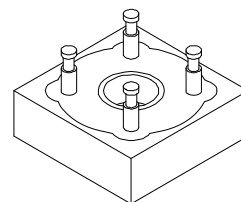
NOTES:

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

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

^{3/} Unless Otherwise Specified, All Electrical Characteristics @25°C.

SDA267



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

DATA SHEET #: RA0077B

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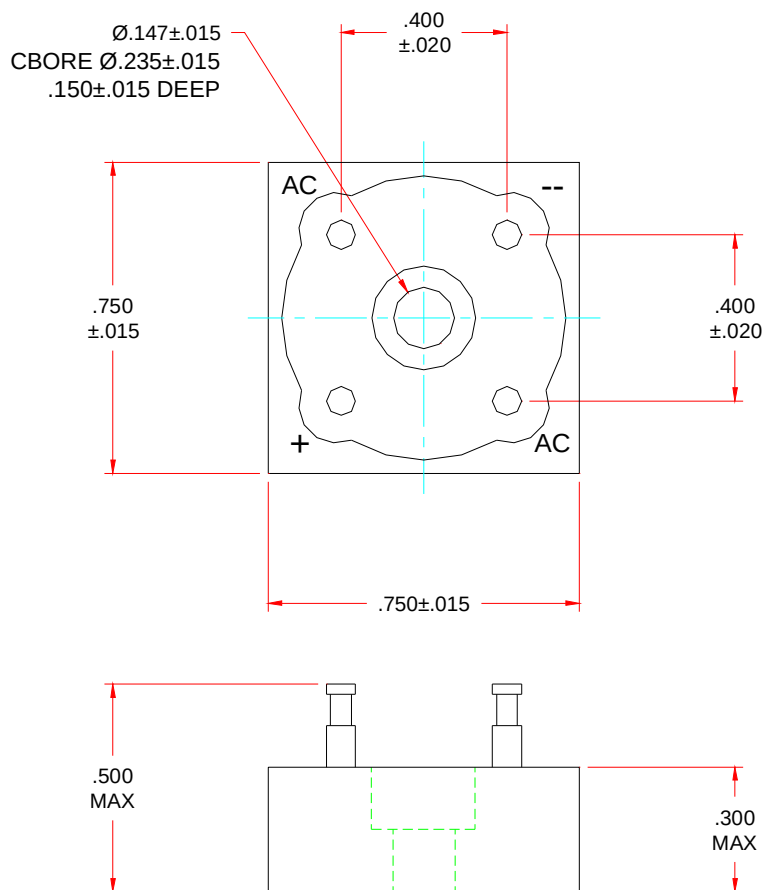
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PACKAGE OUTLINE: SDA267



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