



Solid State Devices, Inc.

14701 Firestone Blvd * La Mirada, Ca 90638
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SDA267AUF thru SDA267GUF

Designer's Data Sheet

Part Number/Ordering Information ^{1/}

SDA267

UF

Screening ^{2/}

— = Not Screened

TX = TX Level

TXV = TXV Level

Peak Inverse Voltage

A = 50V, B = 100V, C = 200V, D = 400V

E = 600V, F = 800V, and G = 1,000V

10 AMPS

50 — 1000 VOLTS

ULTRA FAST RECOVERY
SINGLE PHASE BRIDGE RECTIFIER

FEATURES:

- Average Output Current 10 Amps
- PIV 50 to 1000 Volts
- Reverse Recovery Time 60-80 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)	Reverse Recovery Time ^{4/} (per Leg)	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	t _{RR}	I _F (AV)		I _F (AV)			I _{FSM}	I _{FRM}	V _F @ 3A	I _R	
Units	Volts	nsec	Amps		Amps			Amps	Amps	Volts	µA	
Conditions	25°C	25°C	55°C	100°C	25°C	55°C	100°C	25°C	25°C	25°C	25°C	100°C
SDA267AUF	50	60	10	6	4	3	1.7	75	60	1.4	20	1000
SDA267BUF	100	60	10	6	4	3	1.7	75	60	1.4	20	1000
SDA267CUF	200	60	10	6	4	3	1.7	75	60	1.4	20	1000
SDA267DUF	400	60	10	6	4	3	1.7	75	60	1.4	20	1000
SDA267EUF	600	60	10	6	4	3	1.7	75	60	1.4	20	1000
SDA267FUF	800	70	8	5	3.3	2.5	1.4	75	60	1.7	20	1000
SDA267GUF	1000	80	7.4	4.4	3	2.2	1.2	75	60	1.9	20	1000

NOTES:

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

NOTES:

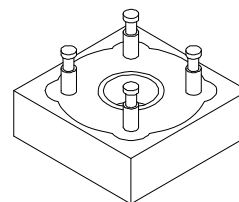
^{1/} For Ordering Information, Price, Operating Curves and Availability- Contact Factory.

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

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

^{4/} t_{RR} measured at I_F = 0.5A, I_R = 1A, I_{RR} = 0.25A, T_A = 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 #: RA0097A

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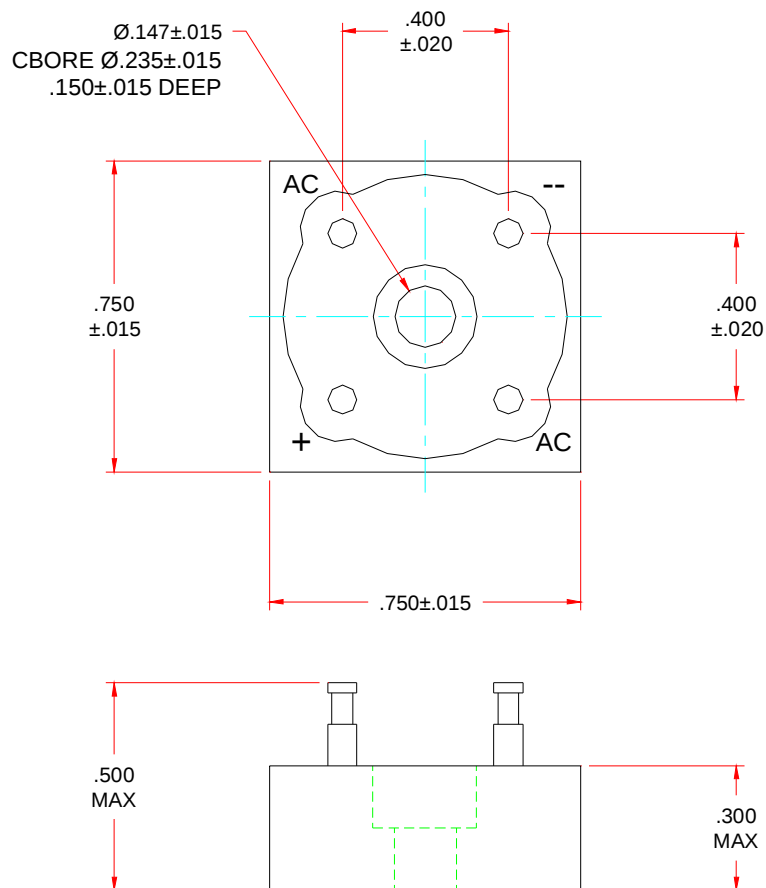
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PACKAGE OUTLINE: SDA267



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