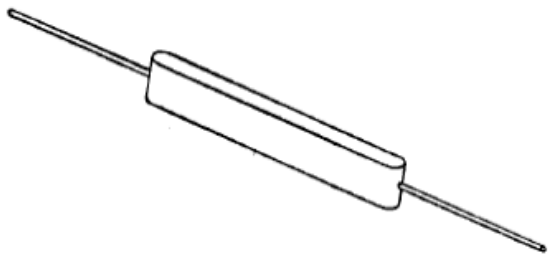
Solid State Devices, Inc.
14830 Valley View Blvd * La Mirada, Ca 90638
Phone: (562) 404-7855 * Fax: (562) 404-1773
ssdi@ssdi-power.com * www.ssdi-power.com

SDAH2500 thru SDAH15000

2 AMPS
2500 – 15000 VOLTS
STANDARD RECOVERY
HIGH CURRENT - HIGH VOLTAGE RECTIFIER



Designer's Data Sheet

FEATURES:

- **Average Output Current 2 Amps**
- **PIV 2500 to 15000 Volts**
- **Low Leakage Current**
- **Low Forward Voltage Drop**
- **Corona Free**
- **Superior Thermal Shock Resistance**
- **Available in Fast, Ultra Fast, and Hyper Fast versions. Consult Factory.**

ELECTRICAL CHARACTERISTICS

Part Number	Peak Inverse Voltage (per leg)	Average DC Output Current T_C = Case Temp		Reverse Recovery Time	Peak Recurrent Forward Current	Maximum Forward Voltage (per leg)	Maximum Reverse Current (per leg) @ PIV		Case Size		
Symbol	**PIV**	**$I_{F(AV)}$**		**t_{rr}** [2/]	**I_{FRM}**	**V_F**	**I_R**				
Units	**Volts**	**Amps**		**µs**	**Amps**	**Volts**	**µA**		**INCHES**		
Conditions		50°C	100°C		25°C	I_F = 1.0 A	25°C	100°C	A	B	C
SDAH2500	2500	2	1.2	5	150	3	1	75	1.5	.38	.69
SDAH5000	5000	2	1.2	5	150	6	1	75	2.5	.38	.69
SDAH7500	7500	2	1.2	5	150	8	1	75	3.5	.38	.69
SDAH10000	10000	2	1.2	5	150	11	1	75	4.5	.38	.69
SDAH12500	12500	2	1.2	5	150	13.5	1	75	5.5	.38	.69
SDAH15000	15000	2	1.2	5	150	16	1	75	6.5	.38	.69

NOTES:

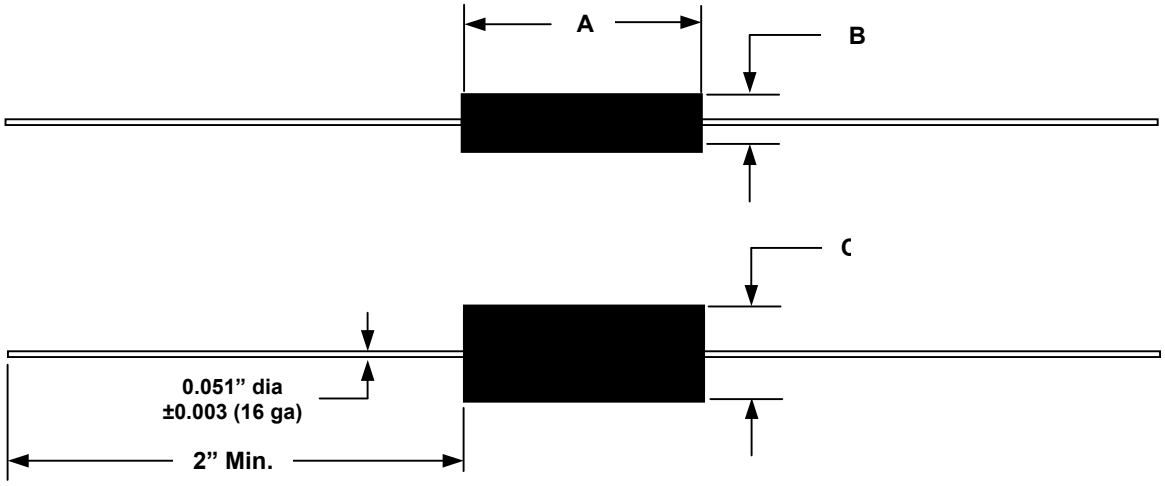
* Pulse Test: Pulse Width = 300µsec, Duty Cycle = 2%

1. Unless Otherwise Specified, All Electrical Characteristics @25ºC
2. Reverse Recovery Test Conditions: I_F = 0.5A, I_R = 1A, I_{RR} = 0.25A, T_A = 25°C

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SDAH2500 thru SDAH15000

PACKAGE OUTLINE: SDAH2500 thru SDAH15000



*For information on curves, contact the Factory Representative for Engineering Assistance.