SOLID STATE DEVICES, INC.
14830 Valley View Blvd * La Mirada, Ca 90638
Phone: (562) 404-7855 * Fax: (562) 404-1773
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SDA165AHF thru SDA165HHF

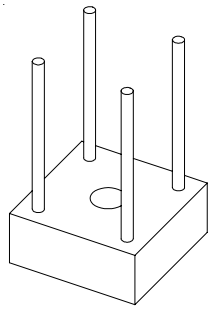
Designer's Data Sheet

6 - 10 AMPS 50 - 800 VOLTS HYPER FAST SINGLE PHASE BRIDGE

FEATURES:

- **PIV 50 to 800 Volts**
- **Average Output 6 - 10A.**
- **Reverse Recovery 35 nsec Max**
- **Small Size**
- **Hermetically Sealed Rectifiers**
- **Easy PC Mounting**
- **Maximum Thermal Resistance 5.0°C/W**
- **-55 to +150°C Operating and Storage Temperature**
- **TX and TXV Level Screening Available**

SDA165



ELECTRICAL CHARACHTERISTICS

Part Number	Peak Inverse Voltage (per Leg)	Average Rectified Current	Maximum Surge Current (1 Cycle)	Maximum Forward Voltage (per Leg)		Maximum Reverse Current (@ PIV)	
Symbol	**PIV**	**I_O**	**I_{FSM}**	**V_F**	**@I_F**	**I_R**	
Units	**Volts**	**Amps**	**Amps**	**Volts**	**Amps**	**µA**	
Conditions	25°C	55°C	25°C	T_A= 25°C		25°C	100°C
SDA165AHF	50	10	125	0.95	6	5.0	200
SDA165BHF	100	10	125	0.95	6	5.0	200
SDA165CHF	150	10	125	0.95	6	5.0	200
SDA165DHF	200	6	50	1.05	3	10.0	1000
SDA165EHF	300	6	50	1.05	3	10.0	1000
SDA165FHF	400	6	75	1.85	3	10.0	250
SDA165GHF	600	6	75	1.85	3	10.0	250
SDA165HHF	800	6	75	2.30	3	10.0	250

NOTES:

1. Maximum forward voltage measured with instantaneous forward pulse of 300µsec minimum.
2. Unless otherwise specified: T_A = 25°C.

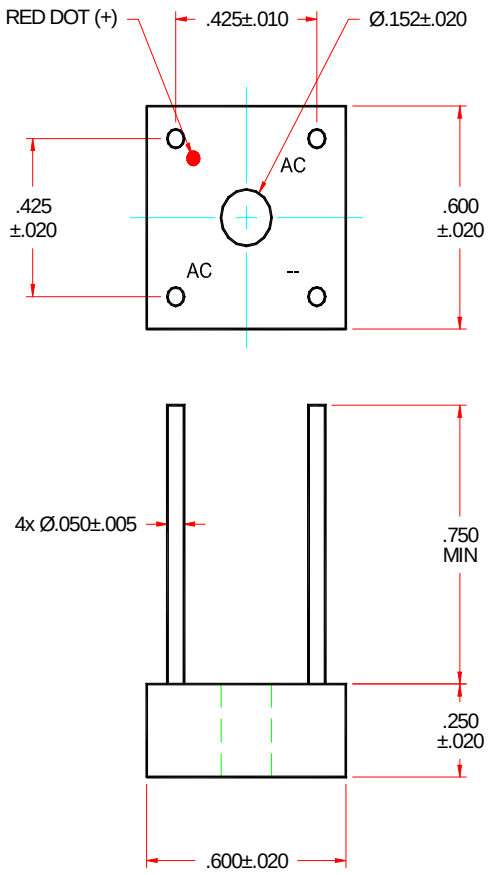
NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET # : RA0008D

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PACKAGE OUTLINE: SDA165



NOTES:

Consult manufacturing for operating curves.