Solid State Devices, Inc.
14701 Firestone Blvd * La Mirada, CA 90638
Phone: (562) 404-4474 * Fax: (562) 404-1773
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SDA173HF series

Designer's Data Sheet

Part Number/Ordering Information [1/]

SDA173 ___ HF ___

Screening [2/]
- ___ = Not Screened
- TX = TX Level
- TXV = TXV Level
- S = S Level

Reverse Recovery
- HF = Hyper Fast

Family/Voltage
- J = 600 V
- K = 700 V
- L = 800 V
- M = 900 V

30 nsec
2.5 Amp
Three Phase Bridge
Rectifier Assembly
600 – 900 Volts

FEATURES:

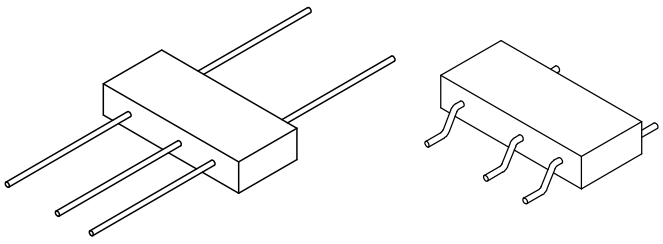
- Reverse Recovery Time: 30 ns Max
- Average Output Current: 2.5 Amps
- PIV: 600 to 900 Volts
- Hermetically Sealed Internal Discretes
- Thermal Conductive Epoxy Encapsulated
- Available in Higher Voltages
- Available in Ultra Fast, Fast, and Standard Recovery

Electrical Characteristics		Peak Inverse Voltage (per leg)	Average DC Output Current T_C=Case Temp		Reverse Recovery Time	Peak Forward Surge Current (1 Cycle)	Maximum Forward Voltage (per leg) @ 1.0 ADC	Maximum Reverse Current (per leg) @ PIV	
			50ºC	100ºC	Max			25ºC	100ºC
Part Number		**Volts**	**Amps**	**Amps**	**ns**	**Amps**	**Volts**	**µA**	**µA**
SDA173J	**HF**	600	2.5	2.0	30	25	1.9	10	250
SDA173K	**HF**	700	2.5	2.0	30	25	1.9	10	250
SDA173L	**HF**	800	2.5	2.0	30	25	1.9	10	250
SDA173M	**HF**	900	2.5	2.0	30	25	1.9	10	250

NOTES:

1/ For ordering information, price, and availability - contact factory.

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



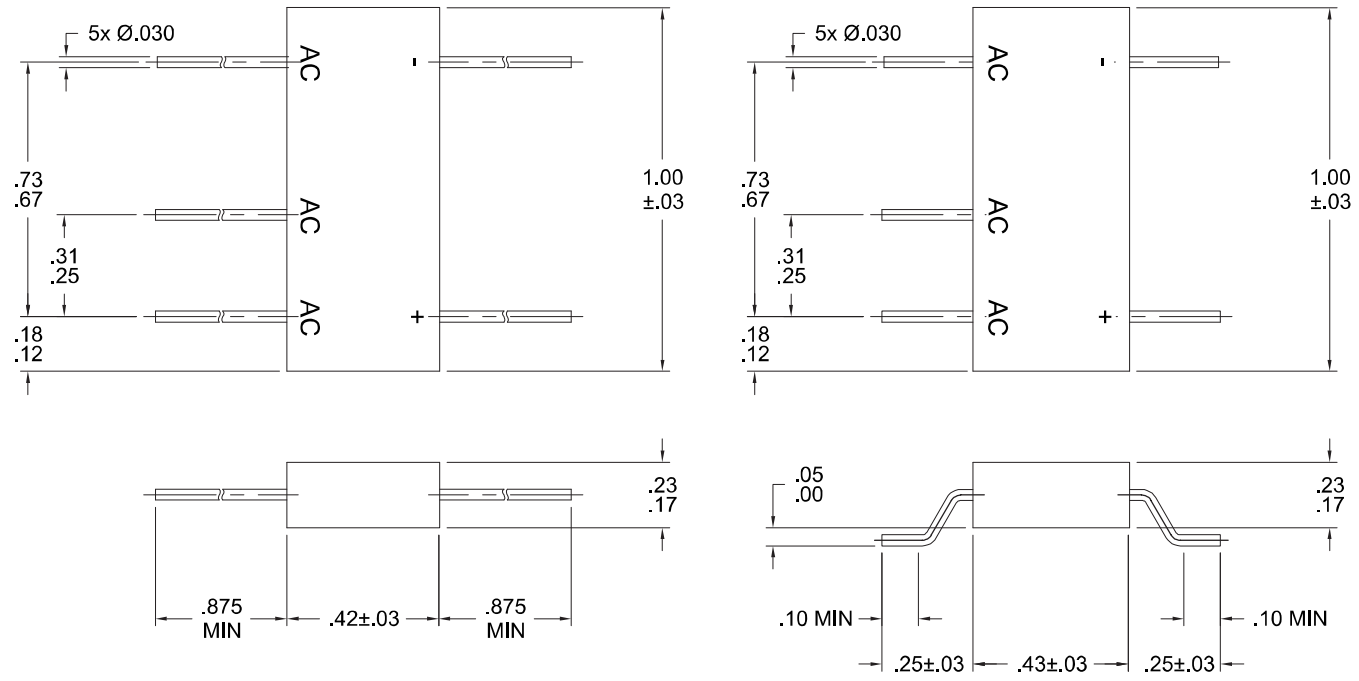
NOTE: All specifications are subject to change without notification.
SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET #: RA0104A | **DOC**

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SDA173HF series

SDA173J through SDA173M:



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

Design Notes:
Operating Temperature T_{OP} -55 ^{O}C to +150 ^{O}C
Reverse Recovery Time I_F = 500mA, I_R = 1.0 Amp, I_{rr} = 250mA