Solid State Devices, Inc.
14701 Firestone Blvd * La Mirada, CA 90638
Phone: (562) 404-4474 * Fax: (562) 404-1773
ssdi@ssdi-power.com * www.ssdi-power.com

SDA172HF series

Designer's Data Sheet

Part Number/Ordering Information [1/]

SDA172 — 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
1.3 Amp
Single Phase Bridge
Rectifier Assembly

FEATURES:

- Reverse Recovery Time: 30 ns Max
- Average Output Current: 1.3 Amps
- PIV: 600 to 900 Volts
- Hermetically Sealed Internal Discretes
- Thermal Conductive Epoxy Encapsulated
- Surface or Radial Mounting*
- Available in Higher Voltages
- Available in Ultra Fast, Fast, and Standard Recovery

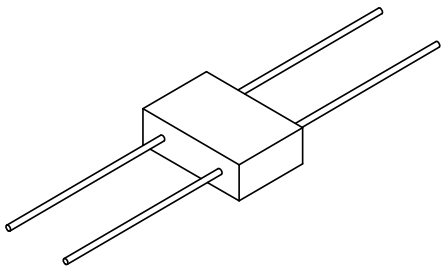
***For surface mounting add -2 to part number.**

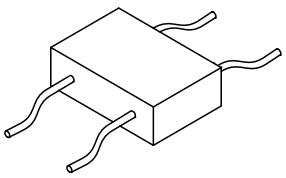
Electrical Characteristics		Peak Inverse Voltage (per leg)	Average DC Output Current T_C=Case Temp		Reverse Recovery Time	Peak Forward Surge Current (1 Cycle)	Maximum Forward Voltage (per leg) @ 1.0 ADC	Maximum Reverse Current (per leg) @ PIV	
			50°C	100°C	Max			25°C	100°C
Part Number		**Volts**	**Amps**	**Amps**	**ns**	**Amps**	**Volts**	**µA**	**µA**
SDA172J **SDA172J-2**	**HF**	600	1.3	1.0	30	25	1.9	10	200
SDA172K **SDA172K-2**	**HF**	700	1.3	1.0	30	25	1.9	10	200
SDA172L **SDA172L-2**	**HF**	800	1.3	1.0	30	25	1.9	10	200
SDA172M **SDA172M-2**	**HF**	900	1.3	1.0	30	25	1.9	10	200

NOTES:

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

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

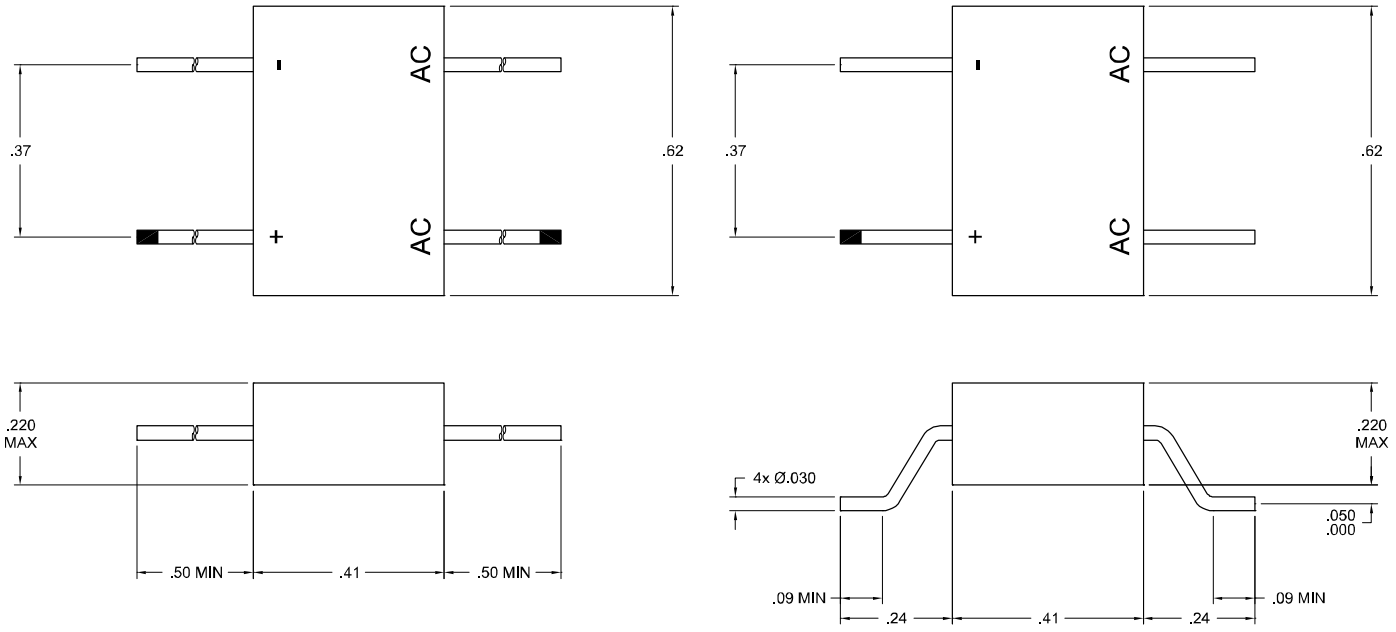




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SDA172HF series

SDA172J through SDA172M:



*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