



Solid State Devices, Inc.

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SDA276A thru SDA276G SERIES

**3 AMPS 50 – 1,000 VOLTS
 150 nsec – 1 μsec
 SINGLE PHASE BRIDGE RECTIFIER**

Designer's Data Sheet

Part Number/Ordering Information ^{1/}

SDA276 - - - - -

L Screening ^{2/}
 - = Not Screened
 TX = TX Level
 TXV = TXV
 S = S Level

Package

- = SDA276
 T = SDA276T
 G = SDA276G
 S = SDA276S

Reverse Recovery ^{3/}

- = Standard Recovery Time
 F = Fast Recovery Time

Peak Inverse Voltage

A = 50 V, B = 100 V, C = 200 V, D = 400 V,
 E = 600 V, F = 800 V, G = 1,000 V

FEATURES:

- Average Output Current 3.0 Amps @ 55°C
- PIV 50 to 1000 Volts Per Leg
- Reverse Recovery Time: 150nsec - 1μsec
- Operating and Storage Temperature -55°C to +150°C
- Subminiature Design for Packaging Versatility
- Surface Mount Bent Leads Available
- Available in Higher Voltages
- Replacement for 673-1 thru 673-6 and 676-1 thru 676-6
- Available in Standard, Fast, Ultra Fast, and Hyper Fast Recovery Times
- TX, TXV, and S-Level Screening Available

ELECTRICAL CHARACTERISTICS ^{4/}

Part Number	Peak Inverse Voltage (per leg)	Sine Wave RMS Input Voltage Max.	Reverse ^{3/} Recovery Time		Average DC Output Current T _c =Case Temp		Peak Forward Surge Current (1 Cycle)	Maximum Forward Voltage (per leg) @ 3 ADC		Maximum Reverse Current (per leg) @ PIV	
			T _{rr}		I _F (AV)			V _F		I _R	
Symbol	PIV	V _r	T _{rr}		I _F (AV)		I _{FSM}	V _F		I _R	
Units	Volts	Volts	μs	ns	Amps		Amps	Volts		μA	
Conditions			Std	Fast	55°C	100°C		Std	Fast	25°C	100°C
SDA276A	50	35	1	150	3.0	2.0	30	1.2	1.3	2	40
SDA276B	100	70	1	150	3.0	2.0	30	1.2	1.3	2	40
SDA276C	200	140	1	150	3.0	2.0	30	1.2	1.3	2	40
SDA276D	400	280	1	150	3.0	2.0	30	1.2	1.3	2	40
SDA276E	600	420	1	150	3.0	2.0	30	1.2	1.3	2	40
SDA276F	800	560	1	150	3.0	2.0	30	1.2	1.3	2	40
SDA276G	1000	700	1	150	3.0	2.0	30	1.2	1.3	2	40

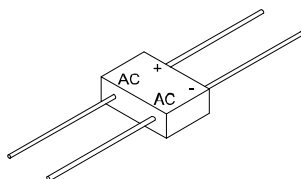
NOTES: 1/ For Ordering Information, Price, Curves, and Availability- Contact Factory.

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

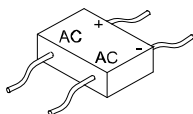
3/ Recovery Conditions: I_F = 0.5 Amp, I_R = 1.0 Amp rec. to .25 Amp.

4/ Unless Otherwise Specified, All Electrical Characteristics @25°C.

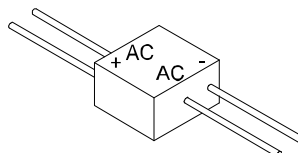
SDA276



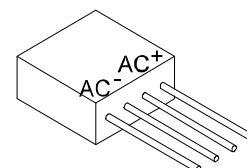
SDA276T



SDA276G



SDA276S



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

DATA SHEET #: RA0032B

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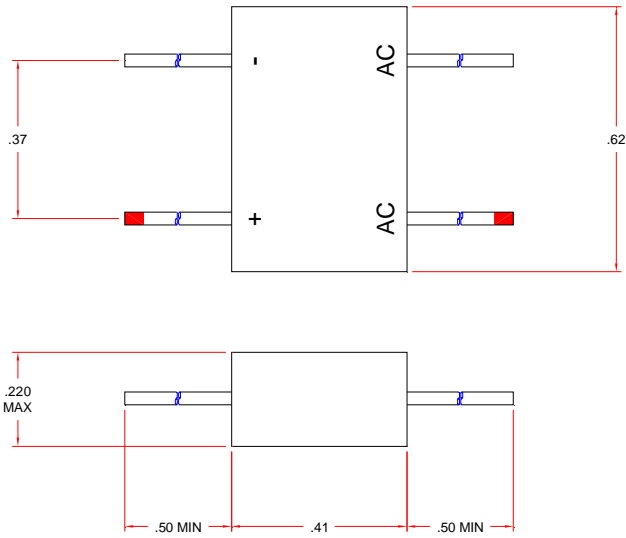


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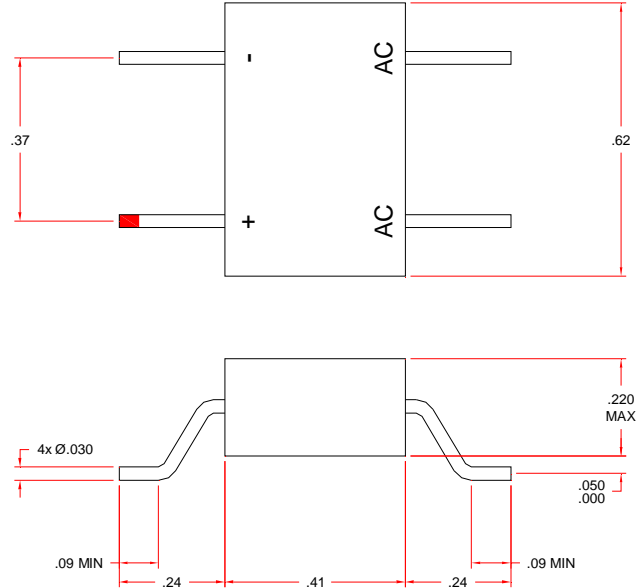
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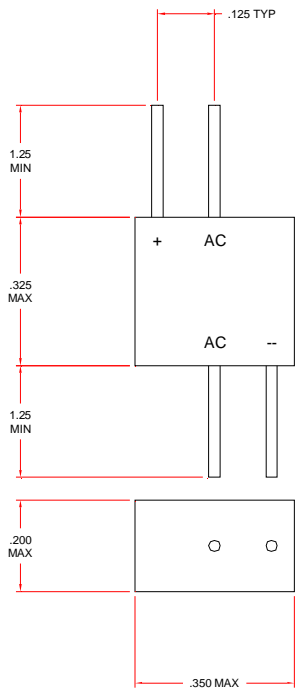
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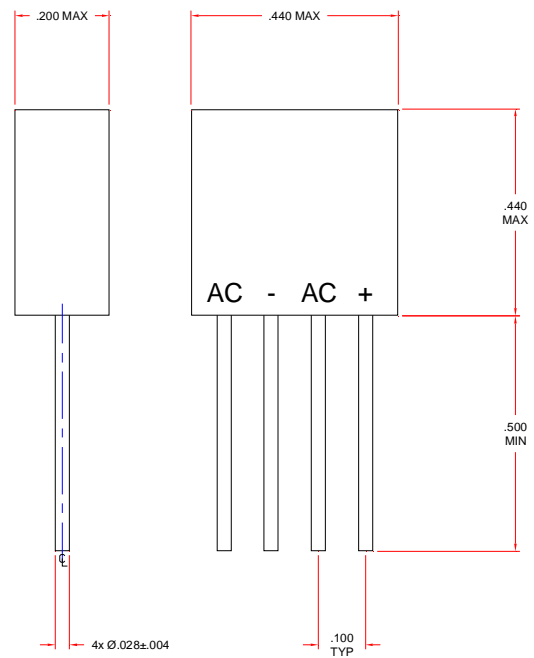
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