



Solid State Devices, Inc.

14701 Firestone Blvd * La Mirada, Ca 90638
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Designer's Data Sheet

Part Number/Ordering Information ^{1/}

SDA356 _ _ _ _

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

L Package _ = SDA356 ^{4/}
T = SDA356T
G = SDA356G
S = SDA356S

Reverse Recovery Time ^{3/}
F = Fast Recovery
UF = Ultra Fast Recovery
HF = Hyper Fast Recovery

Peak Inverse Voltage

B = 100 V, D = 200 V, G = 400 V, J = 600 V,
K = 800 V, M = 1,000 V, N = 1,200 V

**1 AMP, 100 – 1,200 VOLTS
30 – 150 nsec**

**HIGH RELIABILITY
SINGLE PHASE BRIDGE RECTIFIER**

FEATURES:

- Average Output Current 1.0 Amps @ 55°C
- PIV 100 to 1200 Volts Per Leg
- Reverse Recovery Time: 30 – 150 nsec
- Operating and Storage Temperature -55°C to +150°C
- Subminiature Design for Packaging Versatility
- Surface Mount Bent Leads Available
- Constructed with Void-Free Hermetically Sealed Discretes
- Available in Higher Voltages
- Available in Standard, Fast, Ultra Fast, and Hyper Fast Recovery Times
- TX, TXV, and S-Level Screening Available

ELECTRICAL CHARACTERISTICS ^{3/}

Part Number	Peak Inverse Voltage (per leg)	Reverse Recovery Time @ I _F = 0.5 A, I _R = 1.0 A, I _R = 0.25 A			Average DC Output Current T _C =Case Temp		Peak Forward Surge Current (1 Cycle)	Maximum Forward Voltage (per leg) @ 1 ADC			Maximum Reverse Current (per leg) @ PIV	
Symbol	PIV	t _{rr}			I _F (AV)		I _{FSM} @8.3ms	V _F			I _R	
Units	Volts	ns	ns	ns	Amps		Amps	Volts			µA	
Conditions		F	UF	HF	55°C	100°C		F	UF	HF	25°C	100°C
SDA356B	100	150	55	30	1.2	0.8	25	1.1	1.2	1.4	3	100
SDA356D	200	150	55	30	1.2	0.8	25	1.1	1.2	1.4	3	100
SDA356G	400	150	55	30	1.2	0.8	25	1.1	1.2	1.4	3	100
SDA356J	600	150	60	40	1.2	0.8	25	1.1	1.5	1.7	3	100
SDA356K	800	150	60	40	1.2	0.8	25	1.1	1.5	1.7	3	100
SDA356M	1000	150	70	40	1.2	0.8	25	1.4	1.9	3.2	3	100
SDA356N	1200	150	70	40	1.2	0.8	25	1.4	1.9	3.2	3	100

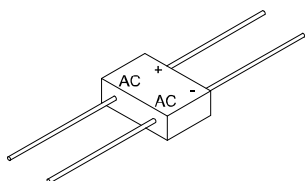
NOTES: ^{1/} For Ordering Information, Price, Curves, and Availability- Contact Factory.

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

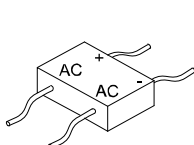
^{3/} Unless Otherwise Specified, All Electrical Characteristics @25°C.

^{4/} S Level suffix: "-S"

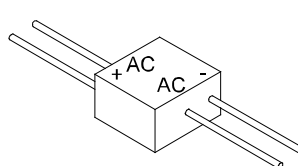
SDA276



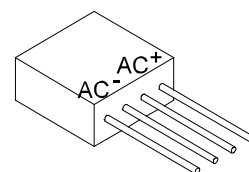
SDA276T



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 #: RA0056A

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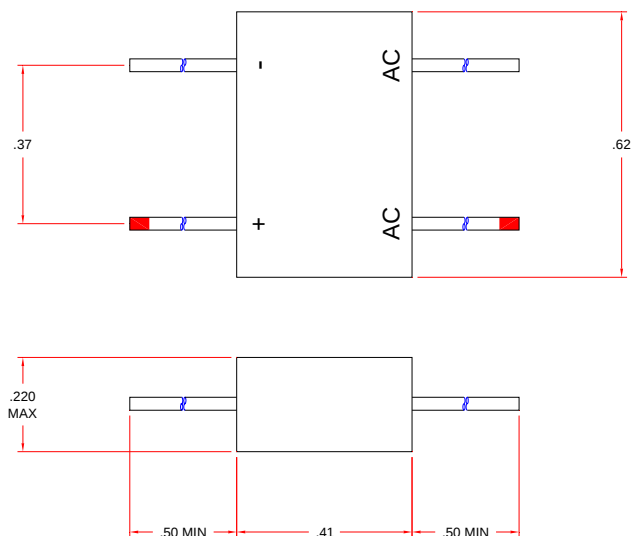
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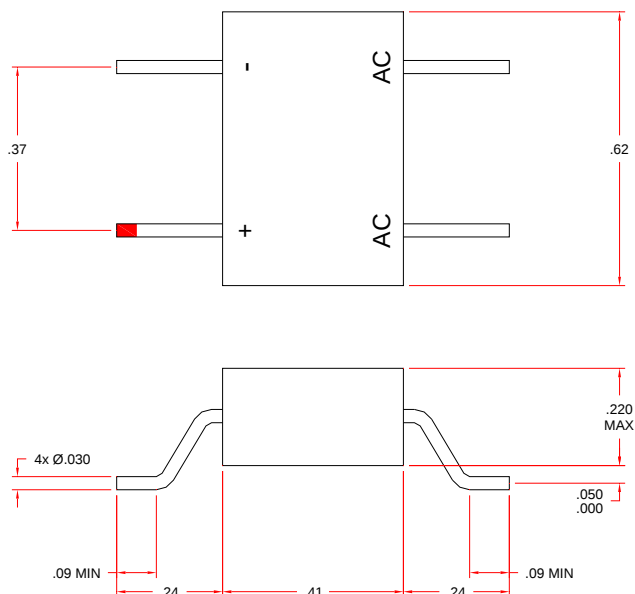
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SDA356 SERIES

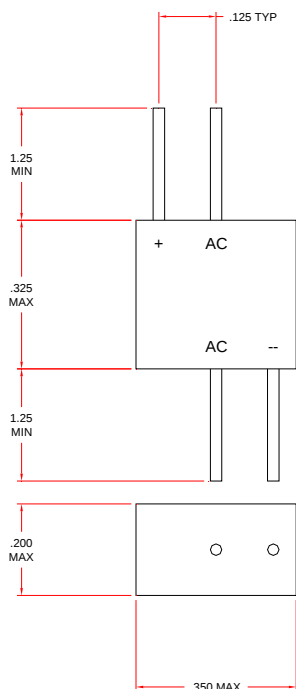
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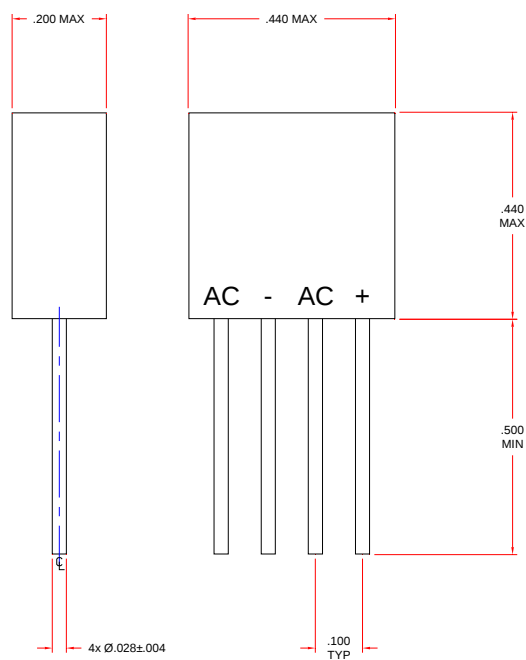
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SDA356S



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