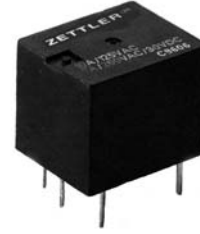


# AZ932

## 15 AMP MINIATURE PC BOARD RELAY

### FEATURES

- High performance
- Low seated height
- Flux tight and sealed versions available
- Class F insulation (155°C) system available
- Class B Insulation (130°C) standard
- UL, CUR file E43203



### CONTACTS

<b>Arrangement</b>	SPST (1 Form A) SPST NC (1 Form B) SPDT (1 Form C)
<b>Ratings</b>	Form A, B and C Max. switched power: 210 W or 2400 VA Max. switched current: 15 A AC, 7 A DC Max. switched voltage: 30 VDC or 300 VAC
<b>Rated Load UL/CUR</b>	1 Form A 15 A at 120 VAC TV - 5 120 VAC  1 Form B NC 8.3 A at 120 VAC 3.6 A at 277 VAC 1000 VA, 90°C Ballast 1 Form B NC 15 A at 120 VAC 6.5 A at 277 VAC 1800 VA, 25° C Ballast  1 Form C 10 A at 120 VAC 100,000 cycles N.O. 10 A at 120 VAC 50,000 cycles N.C.
<b>Material</b>	Silver tin oxide (gold plating available)
<b>Resistance</b>	< 100 milliohms initially (6 V, 1 A voltage drop method)

### COIL

<b>Power At Pickup Voltage Max Continuous Dissipation</b>	203 mW .6 W at 20°C (68°F)
<b>Temperature Rise (at nominal coil voltage)</b>	27°C (49°F)
<b>Temperature</b>	Max. 130°C (266°F)

### GENERAL DATA

<b>Life Expectancy Mechanical Electrical</b>	1x10 <sup>6</sup> 1 x 10 <sup>5</sup> at 10 A 120 VAC Res.
<b>Operate Time</b>	10 ms max.
<b>Release Time</b>	5 ms max. (with no coil suppression)
<b>Dielectric Strength (at sea level for 1 min.)</b>	1500 Vrms contact to coil 1000 Vrms across contacts
<b>Insulation Resistance</b>	100 megohms min. at 500 VDC, 50% RH
<b>Dropout</b>	Greater than 10% of nominal coil voltage
<b>Ambient Temperature Operating Storage</b>	At nominal coil voltage -40°C(-40°F) to 80°C(176°F) -40°C(-40°F) to 130°C(266°F)
<b>Vibration</b>	0.062" DA at 10–55 Hz
<b>Shock</b>	10 g
<b>Enclosure</b>	P.B.T. polyester
<b>Terminals</b>	Tinned copper alloy, P.C.
<b>Max. Solder Temp.</b>	270°C (500°F)
<b>Max. Solder Time</b>	5 seconds
<b>Max. Solvent Temp.</b>	80°C (176°F)
<b>Max. Immersion Time</b>	30 seconds
<b>Weight</b>	10 g

### NOTES

1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Unsealed relays should not be dip cleaned.
4. Specifications subject to change without notice.



**AMERICAN ZETTLER, INC.**

[www.azettler.com](http://www.azettler.com)

75 COLUMBIA • ALISO VIEJO, CA 92656 • PHONE: (949) 831-5000 • FAX: (949) 831-8642 • E-MAIL: SALES@AZETTLER.COM

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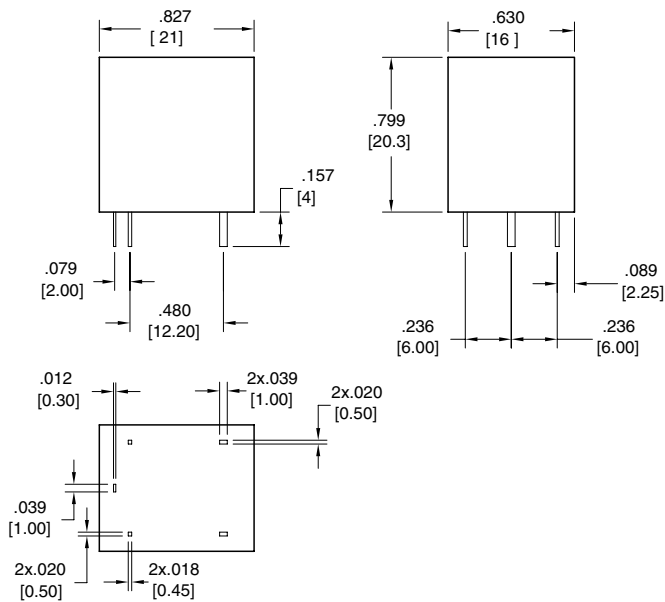
## RELAY ORDERING DATA

STANDARD RELAYS				ORDER NUMBER*	
COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance	Must Operate VDC	1 Form A (SPST-N.O.)	1 Form C (SPDT)
3	3.9	25 ±10%	2.3	AZ932-1AH-3D	AZ932-1CH-3D
5	6.5	70 ±10%	3.8	AZ932-1AH-5D	AZ932-1CH-5D
6	7.8	100 ±10%	4.5	AZ932-1AH-6D	AZ932-1CH-6D
9	11.7	225 ±10%	6.8	AZ932-1AH-9D	AZ932-1CH-9D
12	15.6	400 ±10%	9.0	AZ932-1AH-12D	AZ932-1CH-12D
18	23.4	900 ±10%	13.5	AZ932-1AH-18D	AZ932-1CH-18D
24	31.2	1,600 ±15%	18.0	AZ932-1AH-24D	AZ932-1CH-24D
48	62.4	4,500 ±15%	36.0	AZ932-1AH-48D	AZ932-1CH-48D

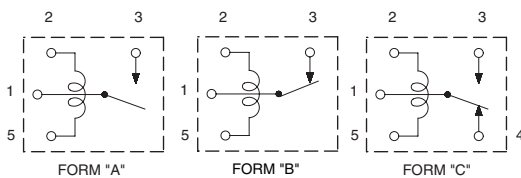
\*Add suffix "E" for epoxy sealed version. Add suffix "G" for gold plated contacts. Add suffix "F" for Class F insulation system. Substitute "1BH" in place of "1AH" to indicate 1 Form B.

## MECHANICAL DATA

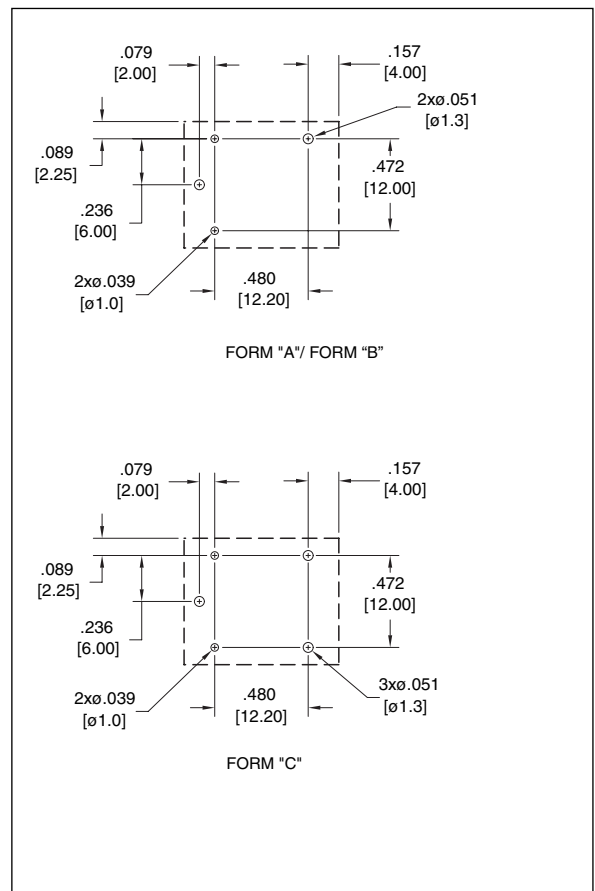
### Outline Dimensions



### Wiring Diagram



### PC Board Layout



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