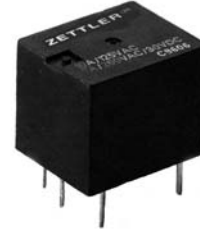


AZ932

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

Arrangement	SPST (1 Form A) SPST NC (1 Form B) SPDT (1 Form C)
Ratings	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
Rated Load UL/CUR	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.
Material	Silver tin oxide (gold plating available)
Resistance	< 100 milliohms initially (6 V, 1 A voltage drop method)

COIL

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

GENERAL DATA

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



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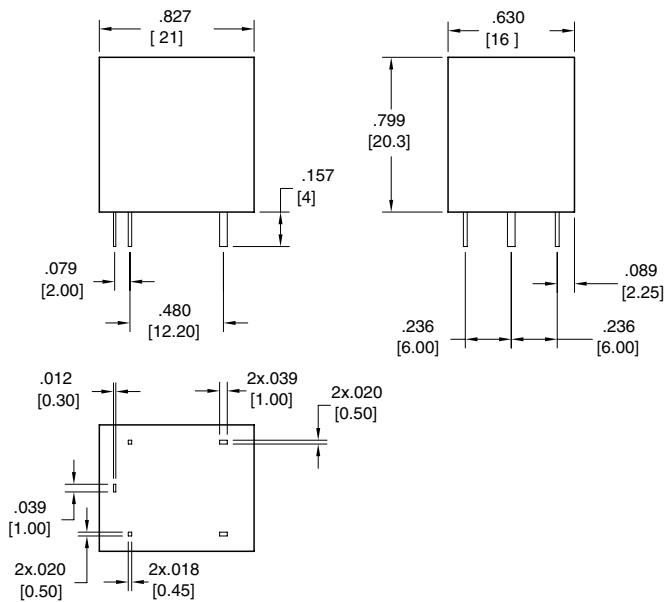
RELAY ORDERING DATA

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

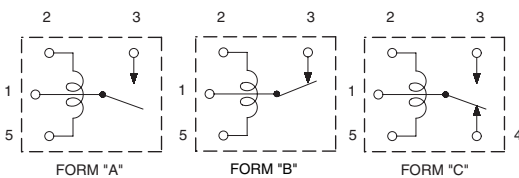
*Add suffix "E" for epoxy sealed version. Add suffix "G" for gold plated contacts. Add suffix "F" for Class F insulation system. Substitute "1BH" in place of "1AH" to indicate 1 Form B.

MECHANICAL DATA

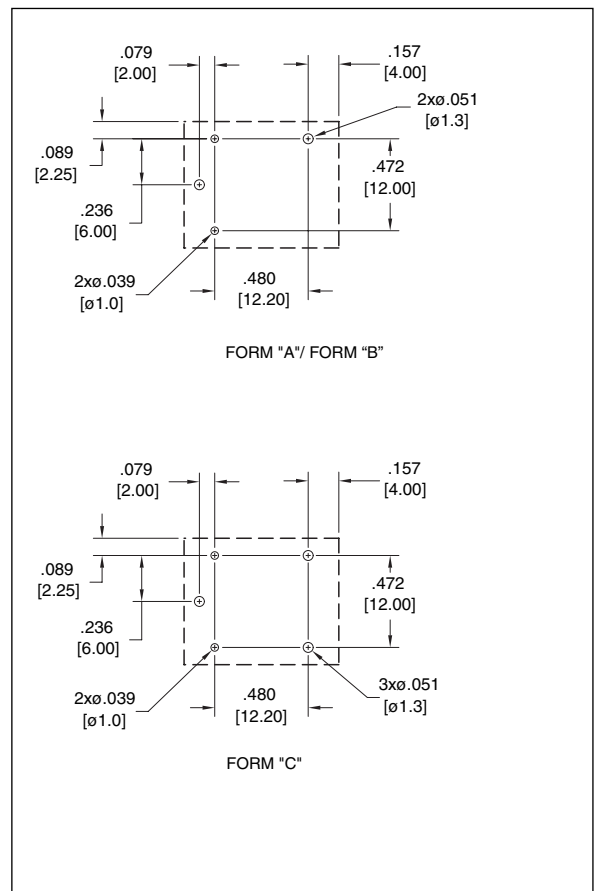
Outline Dimensions



Wiring Diagram



PC Board Layout



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