# AZ943

# **15 AMP MINIATURE** PC BOARD RELAY

# **FEATURES**

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



### **CONTACTS**

Arrangement	SPST (1 Form A) SPDT (1 Form C)			
Ratings	Form A and C Max. switched power: 210 W or 2770 VA Max. switched current: 15 A AC, 7 A DC Max. switched voltage: 30 VDC or 300 VAC			
UL/CUR Ratings	1 Form A 15 A at 125 VAC, general use 10A at 277 VAC, general use, 100,000 cycles TV - 5 120 VAC 1 Form C 10 A at 277 VAC, general use, 100,000 cycles			
Material	AgSnO <sub>2</sub>			
Resistance	< 100 milliohms initally (24 V, 1 A method)			

# COIL

Power At Pickup Voltage Max Continuous Dissipation	203 mW 1.0 W at 20°C (68°F)
Temperature Rise (at nominal coil voltage)	27°C (49°F)
Temperature	Max. 130°C (266°F)
NOTES	

#### **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.

# GENERAL DATA

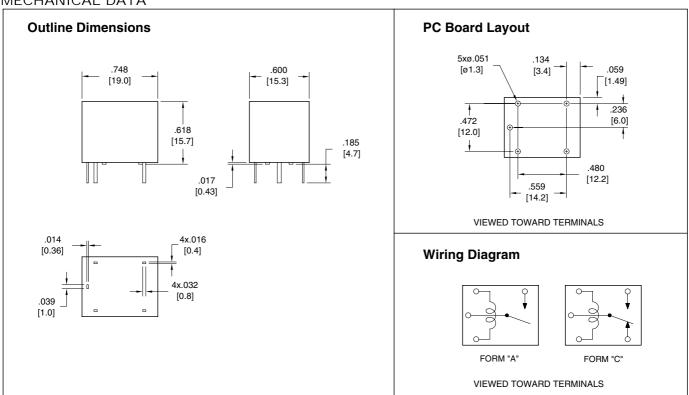
Life Expectancy Mechanical Electrical	1 x 10 <sup>6</sup> 1 x 10 <sup>5</sup> at rated load			
Operate Time	10 ms max.			
Release Time	5 ms max. (with no coil suppression)			
Dielectric Strength (at sea level for 1 min.)	1500 Vrms contact to coil 1000 Vrms across contacts			
Insulation Resistance	100 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 95°C(203°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 (518°F)			
Max. Solder Time	5 seconds			
Max. Solvent Temp.	80°C (176°F)			
Max. Immersion Time	30 seconds			
Weight	10 g			

# **RELAY ORDERING DATA**

STANDARD R	ELAYS				
COIL SPECIFICATIONS			ORDER NUMBER		
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance ±10%	Must Operate VDC	Unsealed	Sealed
5	8.3	70	3.8	AZ943-1CH-5D	AZ943-1CH-5DE
6	10.0	100	4.5	AZ943-1CH-6D	AZ943-1CH-6DE
9	15.0	225	6.8	AZ943-1CH-9D	AZ943-1CH-9DE
12	20.0	400	9.0	AZ943-1CH-12D	AZ943-1CH-12DE
18	30.0	900	13.5	AZ943-1CH-18D	AZ943-1CH-18DE
24	40.0	1,600	18.0	AZ943-1CH-24D	AZ943-1CH-24DE
48	67.0	6,200	36.0	AZ943-1CH-48D	AZ943-1CH-48DE

Substitute "1AH" in place of "1CH" to indicate 1 Form A contact.

# MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance:  $\pm$  .010"