# MINIATURE POWER RELAY

#### **FEATURES**

- AC coils
- Dielectric strength 5000 Vrms
- Low cost
- Flux tight package
- 5 Amp switching double pole contacts
- Isolation spacing greater than 8mm
- Molded materials: all 94V-0
- UL and Canadian file E43203



#### **CONTACTS**

Arrangement	DPST (2 Form A) DPDT (2 Form C)			
Ratings	Resistive load:  Max. switched power: 150 W, 1250 VA  Max. switched current: 5 A  Max. switched voltage: 150 VDC/400 VAC  Inductive load: (cosø =0.4)  Max. switched power: 90W or 500VA  Max. Switched current: 5A  Max. switched voltage: 125VDC or 400 VAC  Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.			
Rated Load UL, CUR	5 A 250 VAC, resistive 5 A 30VDC resistive 1/3 HP 240 VAC			
Min. Load	5 VDC, .01A			
Material	Silver alloy			
Resistance	30 milliohms initially (6V, 1A method)			

### COIL

Power At Pickup Voltage (typical)	576 mW		
Max. Continuous Dissipation	1.5 W at 20°C (68°F) ambient 1.2 W at 40°C (104°F) ambient		
Temperature Rise	36°C (97°F) at nominal coil voltage		
Temperature	Max. 105°C (221°F)		

#### **NOTES**

- 1. All values at 20°C (68°F).
- 2. Relay may pull in with less than "Must Operate" value.
- 3. Specifications subject to change without notice.

#### **GENERAL DATA**

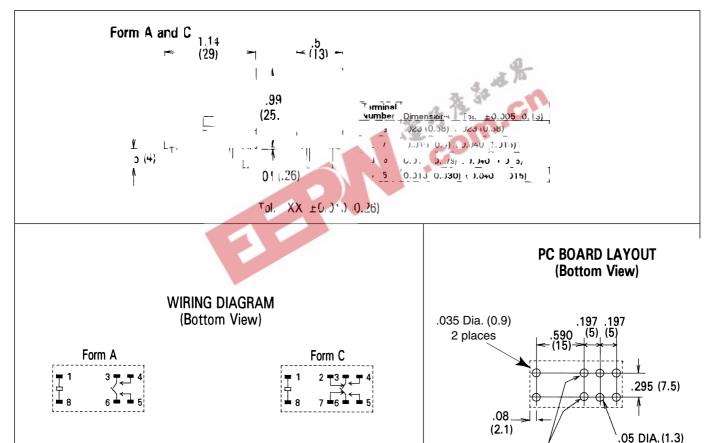
Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 <sup>7</sup> 1 x 10 <sup>5</sup> at rated load		
Operate Time (typical)	8 ms at nominal coil voltage		
Release Time (typical)	5 ms at nominal coil voltage (with no coil suppression)		
Dielectric Strength (at sea level for 1 min.)	5000 Vrms coil to contact 3000 Vrms between contact sets 1000 Vrms between open contacts		
Insulation Resistance	1000 megohms min. at 20°C, 500 VDC 50% RH		
Dropout	Greater than 30% of nominal coil voltage		
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 70°C (158°F) -40°C (-40°F) to 105°C (221°F)		
Vibration	0.062" DA at 10-55 Hz		
Shock	10 g		
Enclosure	PC (94V-0)		
Terminals	Tinned copper alloy, P.C.		
Max. Solder Temp.	270°C (518°F)		
Max. Solder Time	5 seconds		
Weight	17 grams		

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#### **RELAY ORDERING DATA**

COIL SPECIFICATIONS - AC Coil					ORDER NUMBER	
Nominal Coil VAC	Must Operate VAC	Max. Continuous VAC	Nominal Current mA ±10%	Coil Resistance ±10%	Form A (DPST)	Form C (DPDT)
6	4.8	7.8	150.0	16	AZ723-2A-6A	AZ723-2C-6A
12	9.6	15.6	75.0	65	AZ723-2A-12A	AZ723-2C-12A
24	19.2	31.2	37.5	260	AZ723-2A-24A	AZ723-2C-24A
50	40.0	65.0	18.0	1130	AZ723-2A-50A	AZ723-2C-50A
110	88.0	143.0	10.6	4600	AZ723-2A-110A	AZ723-2C-110A
220	176.0	286.0	5.3	20200	AZ723-2A-220A	AZ723-2C-220A
230	184.0	299.0	3.6	24900	AZ723-2A-230A	AZ723-2C-230A

#### MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: ±0.010"

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(4 places Form A (6 places Form C)

(Form C only)