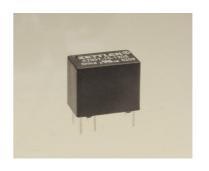
SUBMINIATURE PC BOARD RELAY

FEATURES

- Subminiature size for high density packaging
- DIL pitch terminals
- Epoxy sealed for automatic wave soldering
- High sensitivity: 150 mW nominal with 96 mW pickup
- Meets FCC Part 68.302 1500 V lightning surge
- Meets FCC Part 68.304 1000 V dielectric
- UL, CUR file E43203



CONTACTS

Arrangement	SPDT (1 Form C) Crossbar contacts				
Ratings	Resistive load: Max. switched power: 30 W or 62.5 VA Max. switched current: 1 A continous 2 A (30 s, 50% duty) Max. switched voltage: 60 VDC* or 125 VAC * Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.				
Rated Load UL, CUR	1.0 A at 30 VDC resistive 0.3 A at 60 VDC resistive 0.5 A at 125 VAC resistive				
Material	Silver palladium, gold clad				
Resistance	< 100 milliohms initially				

COIL

Power At Pickup Voltage (typical)	Standard coil: 128 mW Sensitive coil: 96 mW
Max. Continuous Dissipation	0.5 W at 20°C (68°F) ambient
Temperature Rise Standard coil Sensitive coil	33°C (59°F) at nominal coil voltage 25°C (45°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 10 million operations 1 x 10 ⁵ at 0.5 A 120 VAC Res.				
Operate Time (typical)	Standard: 3 ms at nominal coil voltage Sensitive: 5 ms at nominal coil voltage				
Release Time (typical)	1 ms at nominal coil voltage (with no coil suppression)				
Capacitance	Coil to contact: 7.0 pF Contact to contact: 7.0 pF				
Bounce (typical)	At 10 mA contact current 2 ms at operate 8 ms at release				
Dielectric Strength (at sea level for 1 min.)	1250 Vrms coil to contact 400 Vrms between open contacts Meets FCC Part 68.302 1500 V lightning surge Meets FCC Part 68.304 1000 V dielectric				
Insulation Resistance	100 megohms min. at 20°C, 500 VDC, 50% RH				
Dropout	Greater than 10% of nominal coil voltage				
Ambient Temperature Operating Storage	At nominal coil voltage Standard: -40°C (-40°F) to 70°C (158°F) Sensitive: -40°C (-40°F) to 80°C (176°F) Both: -40°C (-40°F) to 105°C (221°F)				
Vibration	0.13" (3.3 mm) DA at 10-55 Hz				
Shock	10 g				
Enclosure	P.E.T. polyester				
Terminals	Tinned copper alloy				
Max. Solder Temp.	270°C (518°F)				
Max. Solder Time	5 seconds				
Max. Immersion Time	30 seconds				
Weight	2.2 grams				
Packing unit in pcs	20 per plastic tube / 1000 per carton box				

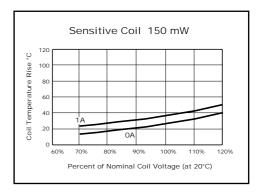
AZ957_

RELAY ORDERING DATA

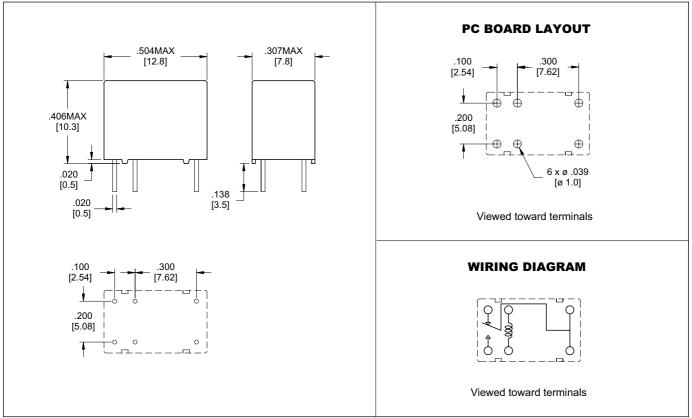
COIL SPECIFICATIONS: STANDARD COIL						
Nominal Coil VDC	Must. Operate VDC	Max. Continuous VDC	Coil Resistance Ohm ±10%	ORDER NUMBER		
1.5	1.2	2.4	11.3	AZ957-1C-1.5DE		
3	2.4	4.7	45.0	AZ957-1C-3DE		
5	4.0	7.9	125	AZ957-1C-5DE		
6	4.8	9.5	180	AZ957-1C-6DE		
9	7.2	14.2	405	AZ957-1C-9DE		
12	9.6	19.0	720	AZ957-1C-12DE		
24	19.2	37.9	2,880	AZ957-1C-24DE		

•	120						
	100						
٠	80						+
	60						
	40	1	A —				
	20			0A			+
,	0 609		0%	80% 9	00%	100%	110% 120

COIL SPECIFICATIONS: SENSITIVE COIL						
Nominal Coil VDC	Must. Operate VDC	Max. Continuous VDC	Coil Resistance Ohm ±10%	ORDER NUMBER		
1.5	1.2	2.7	15.0	AZ957-1C-1.5DSE		
3	2.4	5.5	60.0	AZ957-1C-3DSE		
5	4.0	9.1	167	AZ957-1C-5DSE		
6	4.8	11.0	240	AZ957-1C-6DSE		
9	7.2	16.4	540	AZ957-1C-9DSE		
12	9.6	21.9	960	AZ957-1C-12DSE		
24	19.2	43.8	3,840	AZ957-1C-24DSE		



MECHANICAL DATA



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Dimensions in inches with metric equivalents in parentheses. Tolerance: ± .010"

ZETTLER electronics GmbH