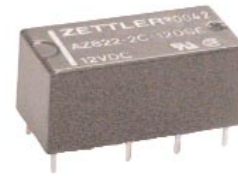


AZ822

SUBMINIATURE DIP RELAY

FEATURES

- Low profile for compact board spacing
- DC coils to 48 VDC
- Life expectancy to 10 million operations
- Standard PC 0.1" grid terminal spacing
- Fits standard 16 pin IC socket
- Epoxy sealed for automatic wave soldering and cleaning
- Meets FCC Part 68.302 1500 V lightning surge
- Meets FCC Part 68.304 1000 V dielectric
- UL file E43203, CSA file 207803



CONTACTS

Arrangement	DPDT (2 Form C) Bifurcated crossbar contacts
Ratings	Resistive load: Max. switched power: 30 W or 62.5 VA Max. switched current: 1.25 A Max. switched voltage: 150 VDC or 250 VAC UL/CSA Rating: 1.25 A at 24 VDC 0.4 A at 125 VAC
Material	AgNi, gold clad
Resistance	< 70 milliohms initially

COIL

Power At Pickup Voltage (typical)	73 mW 3 - 12 V coils 98 mW 24 V coils 137 mW 48 V coils
Max. Continuous Dissipation	0.84 W at 20°C (68°F)
Thermal Resistance	125 K/W (225 °F/W)
Temperature	Max. 100°C (212°F)

NOTES

1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Relay adjustment may be affected if undue pressure is exerted on relay case.
4. Specifications subject to change without notice.
5. Ultrasonic cleaning is not recommended.

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁸ 5 x 10 ⁵ at 1 A 30 VDC
Operate Time (typical)	5 ms at nominal coil voltage
Release Time (typical)	2 ms at nominal coil voltage (with no coil suppression)
Capacitance (max.)	Contact to contact: 2 pF Contact set to contact set: 2 pF Contact to coil: 4 pF
Bounce (typical)	At 10 mA contact current 3 ms at operate N.O. side 3 ms at operate N.C. side
Dielectric Strength (at sea level for 1 min.)	1000 Vrms contact to coil 700 Vrms contact to contact 700 Vrms between contact sets
Insulation Resistance	1000 megohms min. at 20°C, 500 VDC, 50% RH
Dropout	Greater than 5% of nominal coil voltage
Ambient Temperature Operating Storage	At nominal coil voltage -55°C (-55°F) to 85°C (185°F) -55°C (-67°F) to 100°C (212°F)
Vibration	1.5 mm (.06") DA at 10...58 Hz 10 g at 58...500 Hz
Shock	10 g
Enclosure	P.B.T. polyester, UL-94:V-0
Terminals	Tinned copper alloy, P.C.
Max. Solder Temp.	270°C (518°F)
Max. Solder Time	5 seconds
Max. Solvent Temp.	55°C (131°F)
Max. Immersion Time	5 minutes
Weight	5 grams

ZETTLER electronics

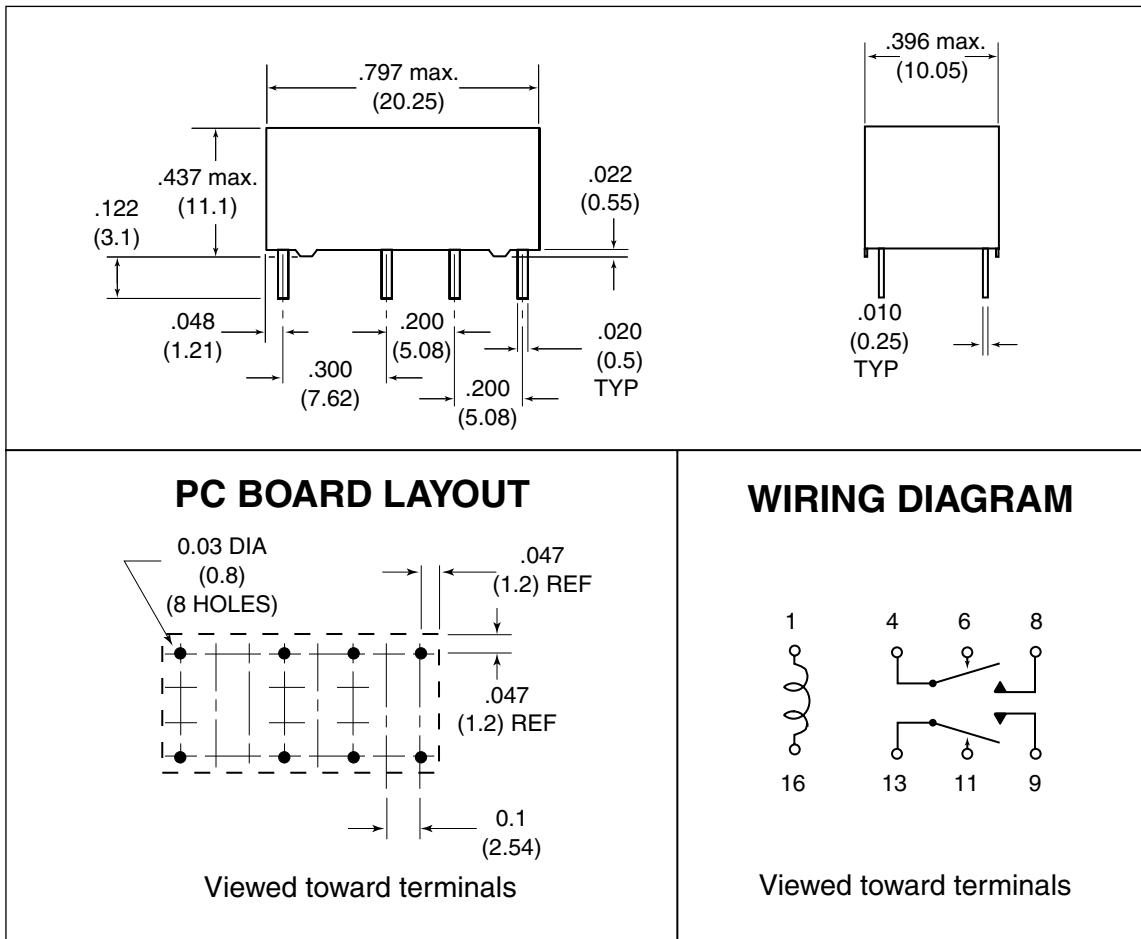
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AZ822

RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Must Operate VDC	
4.5	10.7	136	3.15	AZ822-2C-4.5DSE
5	11.9	168	3.5	AZ822-2C-5DSE
6	14.3	240	4.2	AZ822-2C-6DSE
9	21.4	544	6.3	AZ822-2C-9DSE
12	28.6	968	8.4	AZ822-2C-12DSE
24	49.4	2880	16.8	AZ822-2C-24DSE
48	83.5	8240	33.6	AZ822-2C-48DSE

MECHANICAL DATA



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