AZ955

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 84 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) Bifurcated crossbar contacts
Ratings **Light Duty**	Resistive load: Max. switched power: 30 W or 60 VA Max. switched current: 1 A Max. switched voltage: 60 VDC or 125 VAC **UL Rating:** 1 A at 30 VDC 0.3 A at 60 VDC 0.5 A at 125 VAC
Material	Silver nickel, gold clad
Resistance	< 100 milliohms initially

COIL

Power	
At Pickup Voltage (typical)	Standard coil:113 mW Sensitive coil: 84 mW
Max. Continuous Dissipation	.5 W at 20°C (68°F) ambient
Temperature Rise	Standard: 33°C (59°F) at nominal coil voltage Sensitive: 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. Other coil resistances and sensitivities available upon request.
4. Specifications subject to change without notice.

GENERAL DATA

Life Expectancy **Mechanical** **Electrical**	Minimum operations 10 million operations 1 x 10^5 at 0.5A 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: 3.0 pF Contact to contact: 3.0 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 500 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	0.039" DA at 10–55 Hz
Shock	10 g
Enclosure	P.B.T. polyester
Terminals	Tinned copper alloy
Max. Solder Temp.	270°C (518°F)
Max. Solder Time	5 seconds
Max. Immersion Time	30 seconds
Weight	1.8 grams

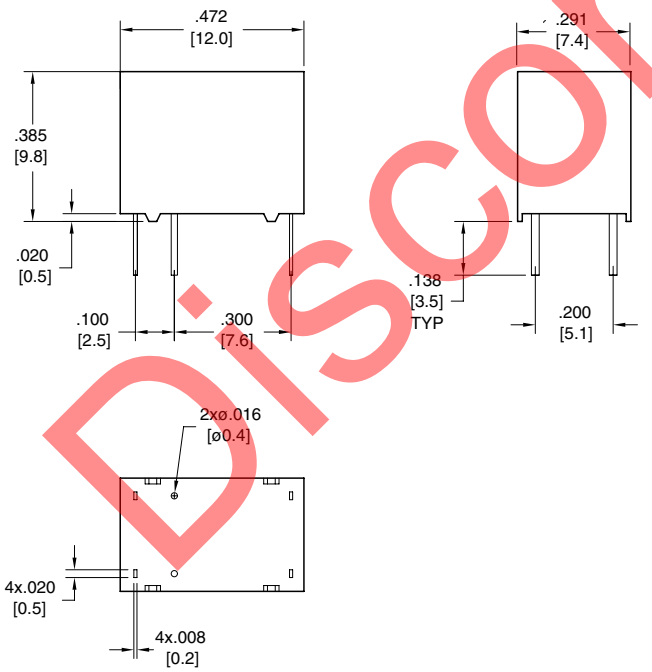
AMERICAN ZETTLER, INC. www.azettler.com
75 COLUMBIA • ALISO VIEJO, CA 92656 • PHONE: (949) 831-5000 • FAX: (949) 831-8642 • E-MAIL: SALES@AZETTLER.COM

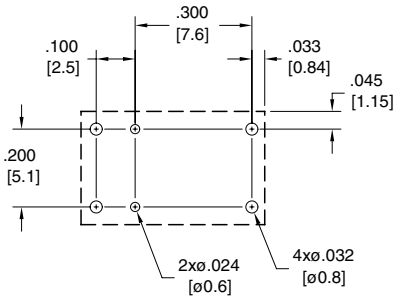
AZ955

RELAY ORDERING DATA

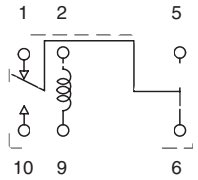
COIL SPECIFICATIONS: STANDARD COIL				
Nominal Coil VDC	Must. Operate VDC	Max. Continuous VDC	Coil Resistance ±10%	ORDER NUMBER
1.5	1.1	2.4	11.3	AZ955-1C-1.5DE
3	2.3	4.7	45.0	AZ955-1C-3DE
5	3.8	7.9	125	AZ955-1C-5DE
6	4.5	9.5	180	AZ955-1C-6DE
9	6.8	14.2	405	AZ955-1C-9DE
12	9.0	19.0	720	AZ955-1C-12DE
24	18.0	37.9	2880	AZ955-1C-24DE
COIL SPECIFICATIONS: SENSITIVE COIL				
Nominal Coil VDC	Must. Operate VDC	Max. Continuous VDC	Coil Resistance ±10%	ORDER NUMBER
1.5	1.1	2.7	15.0	AZ955-1C-1.5DSE
3	2.3	5.5	60.0	AZ955-1C-3DSE
5	3.8	9.1	167	AZ955-1C-5DSE
6	4.5	11.0	240	AZ955-1C-6DSE
9	6.8	16.4	540	AZ955-1C-9DSE
12	9.0	21.9	960	AZ955-1C-12DSE
24	18.0	43.8	3840	AZ955-1C-24DSE

MECHANICAL DATA





WIRING DIAGRAM
Viewed toward terminals



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

AMERICAN ZETTLER, INC. *www.azettler.com*

75 COLUMBIA • ALISO VIEJO, CA 92656 • PHONE: (949) 831-5000 • FAX: (949) 831-8642 • E-MAIL: SALES@AZETTLER.COM

1/23/06W