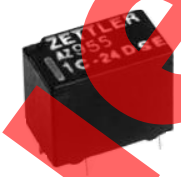
**Discontinuation Notice**
**Discontinuation date: 31.12.2012**
**Date of last order: 30.06.2012**
**Recommended replacement: AZ957**

# 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 file E43203; CSA file LR 702514



### CONTACTS

| | |
|---|---|
| **Arrangement** | SPDT (1 Form C)<br>Bifurcated crossbar contacts |
| **Ratings**<br>**Light Duty** | Resistive load:<br>Max. switched power: 30 W or 60 VA<br>Max. switched current: 1 A<br>Max. switched voltage: 60 VDC or 125 VAC<br>**UL Rating:** 1 A at 30 VDC<br>0.3 A at 60 VDC<br>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<br>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<br>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**<br>**Mechanical**<br>**Electrical** | Minimum operations<br>10 million operations<br>1 x $10^5$ at 0.5 A 120 VAC Res. |
| **Operate Time (typical)** | Standard: 3 ms at nominal coil voltage<br>Sensitive: 5 ms at nominal coil voltage |
| **Release Time (typical)** | 1 ms at nominal coil voltage<br>(with no coil suppression) |
| **Capacitance** | Coil to contact: 3.0 pF<br>Contact to contact: 3.0 pF |
| **Bounce (typical)** | At 10 mA contact current<br>2 ms at operate<br>8 ms at release |
| **Dielectric Strength (at sea level for 1 min.)** | 1250 Vrms coil to contact<br>500 Vrms between open contacts<br>Meets FCC Part 68.302 1500 V lightning surge<br>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**<br>**Operating**<br>**Storage** | At nominal coil voltage<br>Standard: -40°C (-40°F) to 70°C (158°F)<br>Sensitive: -40°C (-40°F) to 80°C (176°F)<br>Both: -25°C (-13°F) to 105°C (221°F) |
| **Vibration** | 0.039" (1.0 mm) 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 |



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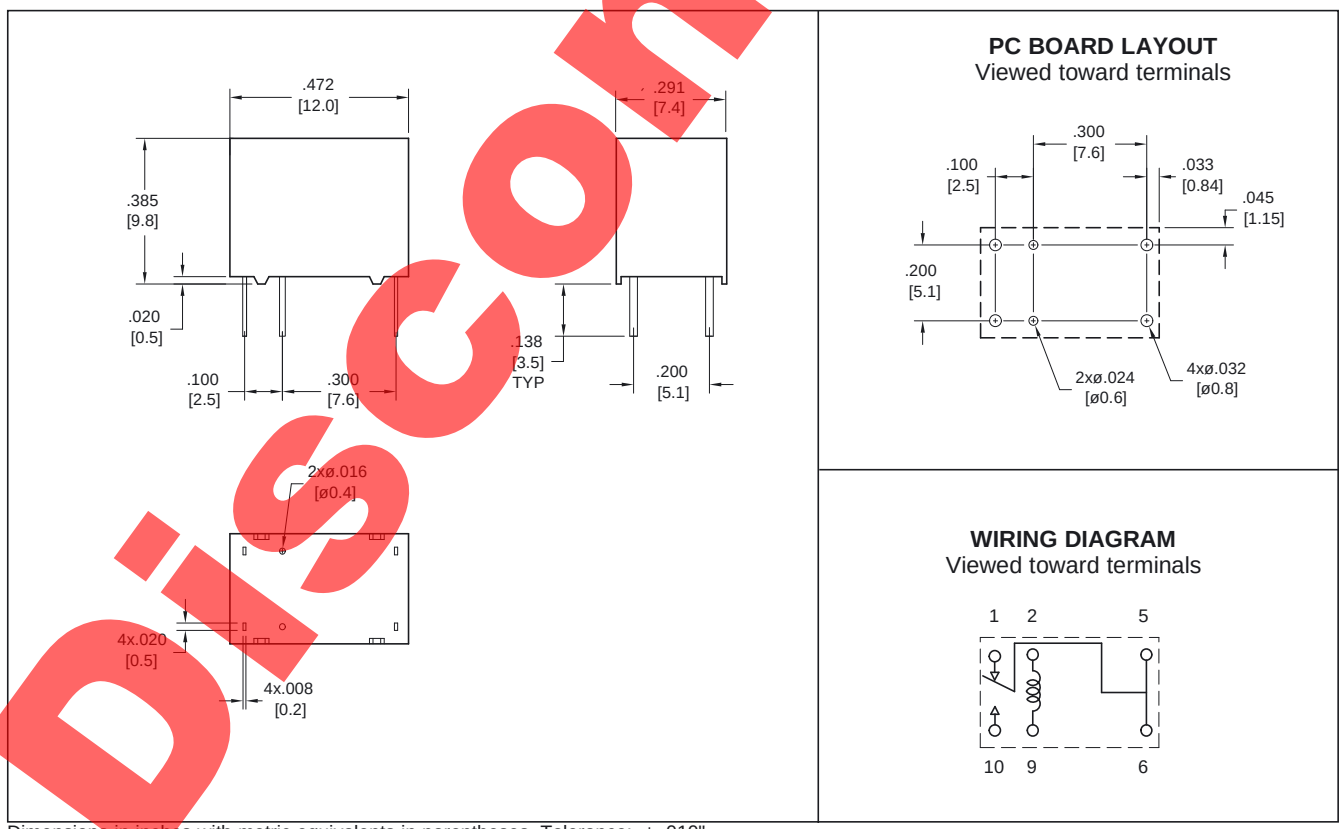
## RELAY ORDERING DATA

| 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




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

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