

# AZ672

## MINIATURE POWER RELAY

### FEATURES

- Compact size for dense PCB layouts
- High power contacts (10A) for use in consumer appliances, HVAC, TV
- Withstands surges of up to 10,000 volts
- Epoxy sealed version available
- UL file E44211; CSA file LR74120
- TÜV file BL980934205001



### CONTACTS

<b>Arrangement</b>	SPST – NO
<b>Ratings</b>	Non - inductive load: Max. switched power: 240 W or 2000 VA Max. switched current: 8A (DC), 10A (AC) Max. switched voltage: 150* VDC or 250 VAC  *Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.
<b>Rated Load UL, CUR, TÜV</b>	10 A at 125 VAC resistive 8 A at 250 VAC resistive 8 A at 30 VDC resistive
<b>UL, CUR</b>	TV5 1/8 HP, 125 VAC / 277 VAC
<b>Material</b>	Silver tin indium oxide
<b>Resistance</b>	< 100 milliohms initially (6 V, 1A voltage drop method)

### COIL

<b>Power At Pickup Voltage (typical)</b>	300 mW
<b>Max. Continuous Dissipation</b>	1 W at 20°C (68°F) ambient
<b>Temperature Rise</b>	45°C at nominal coil voltage
<b>Temperature</b>	Max. 105°C

### 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.
4. Specifications subject to change without notice.

### GENERAL DATA

<b>Life Expectancy Mechanical Electrical</b>	2 x 10 <sup>6</sup> 1 x 10 <sup>5</sup> at 10 A 120 VAC Res.
<b>Operate Time (typical)</b>	10 ms at nominal coil voltage
<b>Release Time (typical)</b>	6 ms at nominal coil voltage (with no coil suppression)
<b>Dielectric Strength (at sea level for 1 min.)</b>	1000 Vrms contact to contact 4000 Vrms contact to coil 10,000 V surge contact to coil
<b>Insulation Resistance</b>	1000 megohms min. at 20°C, 500 VDC, 50% RH
<b>Dropout</b>	5% of nominal coil voltage
<b>Ambient Temperature Operating Storage</b>	-40°C (-40°F) to 70°C (158°F) -40°C (-40°F) to 105°C (221°F)
<b>Vibration</b>	1.5mm DA at 10–55 Hz
<b>Shock</b>	10 g
<b>Enclosure</b>	Plastic
<b>Terminals</b>	PC, tinned
<b>Max. Solder Temp.</b>	250°C (482°F)
<b>Max. Solder Time</b>	5 seconds
<b>Max. Solvent Temp.</b>	80°C
<b>Max. Immersion Time</b>	30 seconds
<b>Weight</b>	12 grams (approx.)

**AMERICAN ZETTLER, INC.** [www.azettler.com](http://www.azettler.com)

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

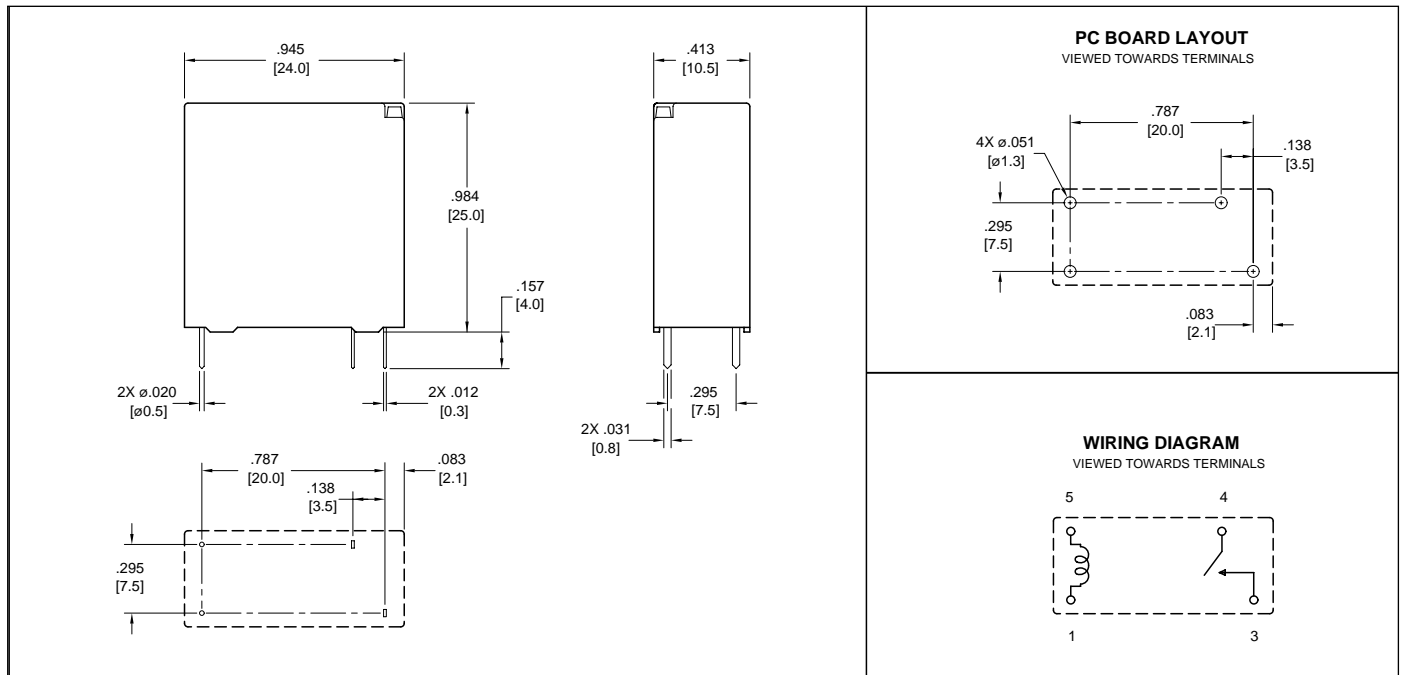
6/1/01W

# AZ672

## RELAY ORDERING DATA

COIL SPECIFICATIONS — STANDARD RELAY				ORDER NUMBER	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Unsealed	Sealed
3	2.25	3.9	17	AZ672-1A-3D	AZ672-1A-3DE
5	3.75	6.5	47.2	AZ672-1A-5D	AZ672-1A-5DE
6	4.5	7.8	67.9	AZ672-1A-6D	AZ672-1A-6DE
9	6.75	11.7	153	AZ672-1A-9D	AZ672-1A-9DE
12	9	15.6	272	AZ672-1A-12D	AZ672-1A-12DE
24	18	31.2	1,090	AZ672-1A-24D	AZ672-1A-24DE
48	36	62.4	4,350	AZ672-1A-48D	AZ672-1A-48DE

## MECHANICAL DATA



**AMERICAN ZETTLER, INC.**

[www.azettler.com](http://www.azettler.com)

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

6/1/01W