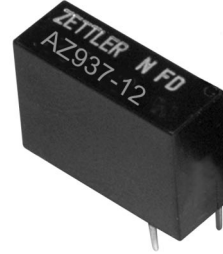


# AZ937

## SENSITIVE SUBMINIATURE RELAY

### FEATURES

- Extremely small footprint
- Thin vertical profile only 0.275" (7 mm) wide
- High sensitivity, 113 mW pickup
- Dielectric strength 4000 Vrms
- 3 Amp switching capability
- Epoxy sealed
- UL, CUR file E44211
- TÜV file B020440800001



### CONTACTS

<b>Arrangement</b>	SPST (1 Form A)
<b>Ratings</b>	Resistive load: Max. switched power: 90 W or 750 VA Max. switched current: 3 A 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/CSA</b>	3 A at 250 VAC, general use, 200k cycles 3 A at 30 VDC, resistive, 200k cycles
<b>TÜV</b>	1/10 HP at 250 VAC, 100k cycles 3 A at 250 VAC / 30 VDC, resistive, 200k cycles
<b>Material</b>	Silver nickel
<b>Resistance</b>	< 100 milliohms initially (at 6 V, 1 A, voltage drop method)

### COIL

<b>Power</b>	
<b>At Pickup Voltage (typical)</b>	113 mW
<b>Max. Continuous Dissipation</b>	750 mW at 20°C (68°F) ambient
<b>Temperature Rise</b>	26°C (47°F) at nominal coil voltage
<b>Temperature</b>	Max. 105°C (221°F)

### NOTES

<ol style="list-style-type: none"> <li>1. All values at 20°C (68°F).</li> <li>2. Relay may pull in with less than "Must Operate" value.</li> <li>3. Minimum permissible contact load.</li> <li>4. Specifications subject to change without notice.</li> </ol>
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### GENERAL DATA

<b>Life Expectancy Mechanical Electrical</b>	Minimum operations 5 million operations 1 X 10 <sup>5</sup> at 3 A, 30 VDC or 250 VAC res.
<b>Operate Time (typical)</b>	6 ms at nominal coil voltage
<b>Release Time (typical)</b>	3 ms at nominal coil voltage (with no coil suppression)
<b>Dielectric Strength (at sea level for 1 min.)</b>	4000 Vrms coil to contact 750 Vrms between open contacts
<b>Insulation Resistance</b>	1000 megohms min. at 20°C, 500 VDC, 50% RH
<b>Dropout</b>	Greater than 10% of nominal coil voltage
<b>Ambient Temperature Operating Storage</b>	At nominal coil voltage -40°C (-40°F) to 85°C (185°F) -40°C (-40°F) to 105°C (221°F)
<b>Vibration</b>	0.062" (1.5 mm) DA at 10–55 Hz
<b>Shock</b>	10 g
<b>Enclosure</b>	P.B.T. polyester
<b>Terminals</b>	Tinned copper alloy, P.C.
<b>Max. Solder Temp.</b>	270°C (518°F)
<b>Max. Solder Time</b>	5 seconds
<b>Max. Solvent Temp.</b>	80°C (176°F)
<b>Max. Immersion Time</b>	30 seconds
<b>Weight</b>	5 grams

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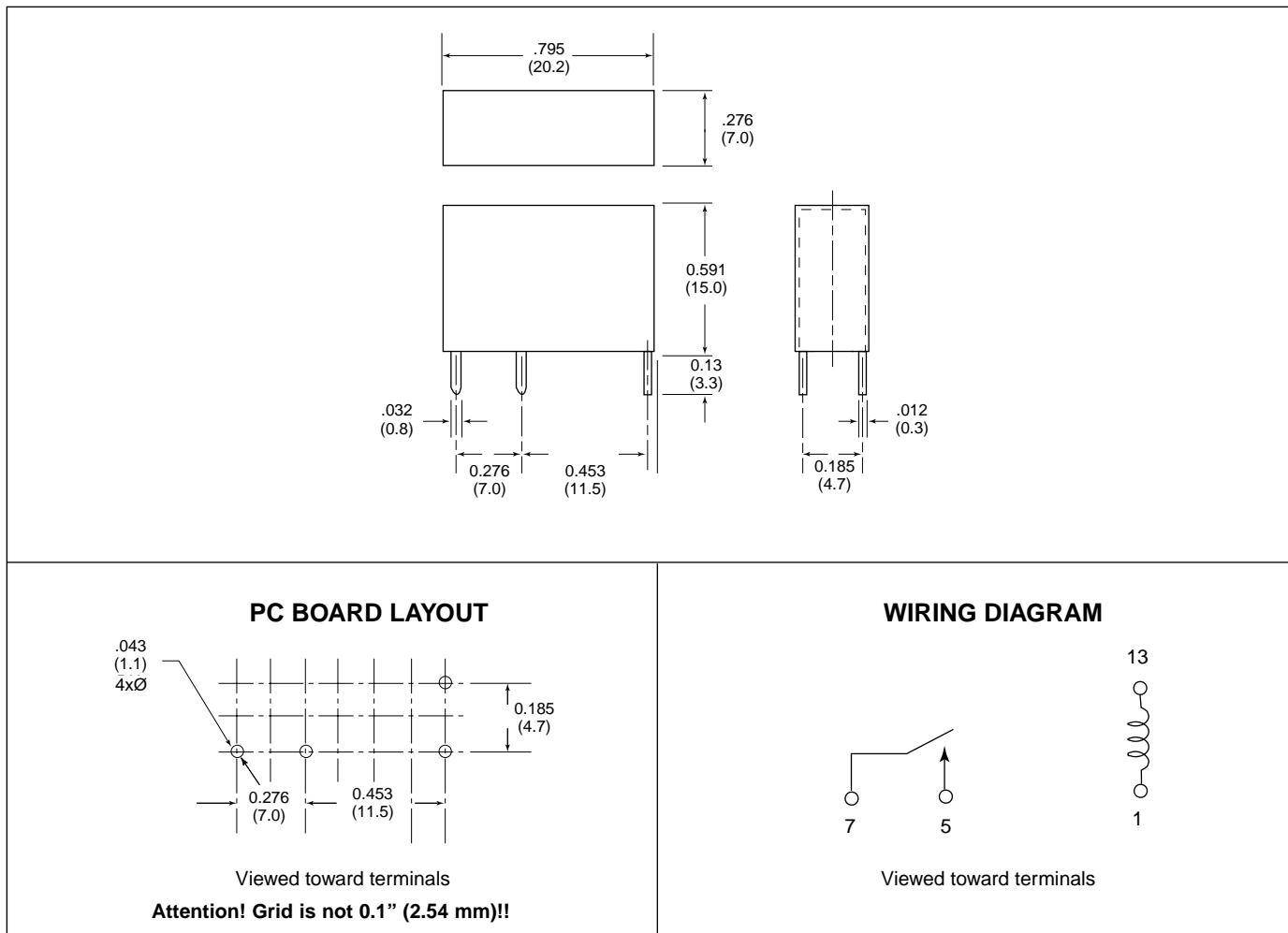
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www.ZETTLERelectronics.com

# AZ937

## RELAY ORDERING DATA

COIL SPECIFICATIONS				
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm $\pm 10\%$	ORDER NUMBER
3	2.3	5.8	45	AZ937-3
5	3.8	9.7	125	AZ937-5
6	4.5	11.6	180	AZ937-6
9	6.8	17.4	405	AZ937-9
12	9.0	23.2	720	AZ937-12
24	18.0	46.5	2,880	AZ937-24

## MECHANICAL DATA



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

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