

# AZ9621

## 10 AMP MINIATURE PC BOARD RELAY

### FEATURES

- Extremely low cost
- Epoxy sealed version available
- Creepage/Clearance 4mm/3mm
- Class F insulation (155°C) standard
- UL, CUR file E43203
- VDE file pending



### CONTACTS

<b>Arrangement</b>	SPST (1 Form A) SPDT (1 Form C)
<b>Ratings</b>	Form A and C Max. switched power: 2500 VA Max. switched current: 10 A AC Max. switched voltage: 250 VAC
<b>UL/CUR (pending)</b>	1 Form A 10 A at 250 VAC, General Purpose, 50k cycles  1 Form C 10 A (N.O.), 5 A (N.C.) at 250 VAC, General Purpose, 50k cycles
<b>VDE (pending)</b>	1 Form A 10 A at 250 VAC, 30k cycles 1 Form C 10 A (N.O.), 4 A (N.C.) at 250 VAC, 30k cycles
<b>Material</b>	Silver nickel
<b>Resistance</b>	< 100 milliohms initially (24 V, 1 A method)

### COIL

<b>Power</b>	
<b>At Pickup Voltage</b>	200 mW
<b>Max Continuous Dissipation</b>	1.8 W at 20°C (68°F)
<b>Temperature Rise</b>	33°C (59.4°F) at nominal coil voltage
<b>Temperature</b>	Max. 155°C (311°F)

### GENERAL DATA

<b>Life Expectancy</b> <b>Mechanical</b> <b>Electrical</b>	5 x 10 <sup>6</sup> 5 x 10 <sup>4</sup> at 10 A 250 VAC Res.
<b>Operate Time (Typical)</b>	15 ms
<b>Release Time (Typical)</b>	15 ms (with no coil suppression)
<b>Dielectric Strength (at sea level for 1 min.)</b>	2500 Vrms contact to coil 1000 Vrms across contacts
<b>Insulation Resistance</b>	100 megohms min. at 500 VDC, 50% RH
<b>Dropout</b>	Greater than 10% of nominal coil voltage
<b>Ambient Temperature</b> <b>Operating</b> <b>Storage</b>	At nominal coil voltage -40°C(-40°F) to 85°C (185°F) -40°C(-40°F) to 155°C (311°F)
<b>Vibration</b>	>4g at 30-400 Hz
<b>Shock</b>	>10g (functional) >30g (destructive)
<b>Enclosure</b>	P.E.T. polyester
<b>Terminals</b>	Tinned copper alloy, P.C.
<b>Max. Solder Temp.</b>	260°C (500°F)
<b>Max. Solder Time</b>	5 seconds
<b>Max. Immersion Time</b>	30 seconds
<b>Weight</b>	5.6 g

### NOTES

1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Unsealed relays should not be dip cleaned.
4. Specifications subject to change without notice.



**AMERICAN ZETTLER, INC.**

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

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9/30/04W

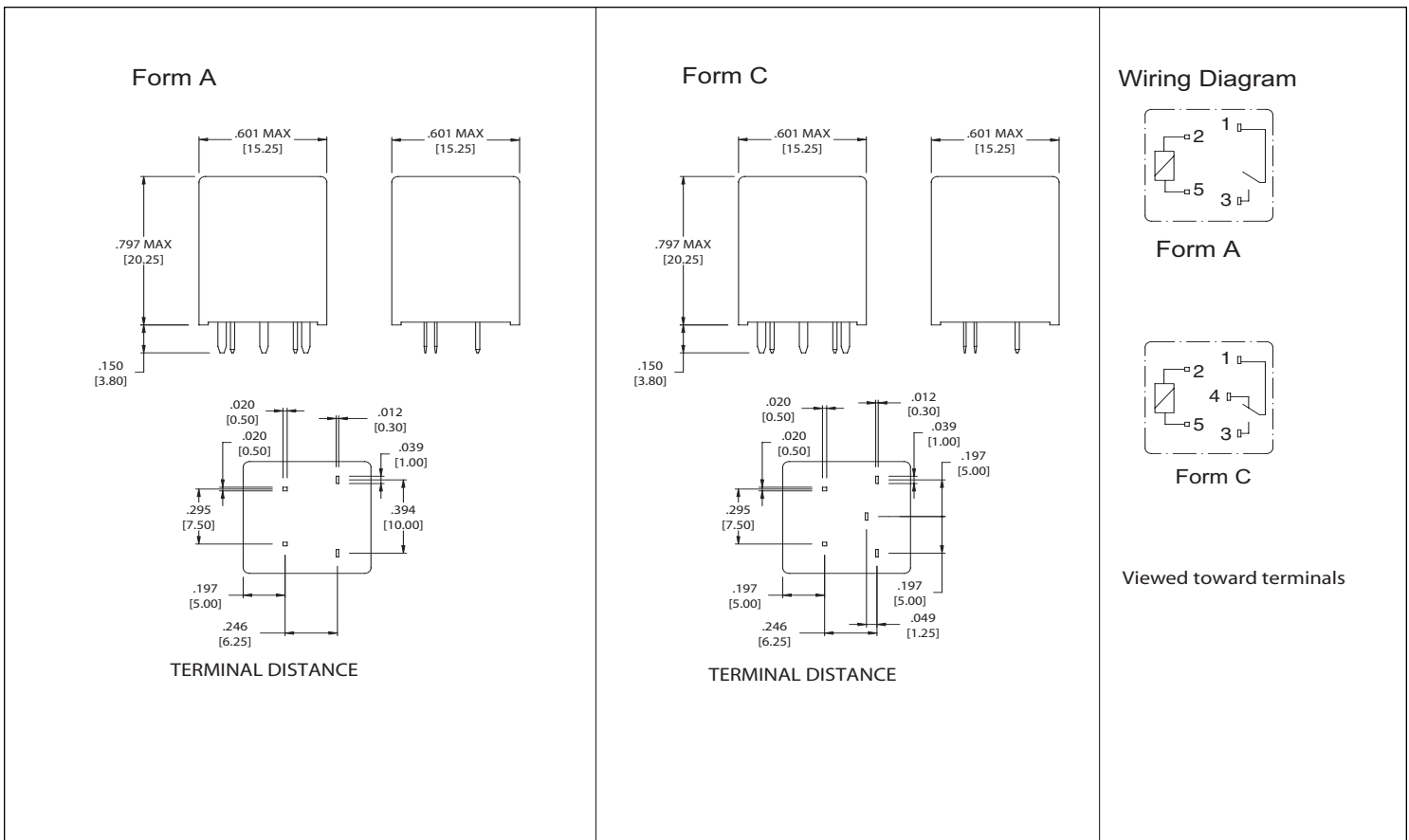
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## RELAY ORDERING DATA

STANDARD RELAYS					
COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Must Operate VDC	1 Form A	1 Form C
5	8.0	70	3.75	AZ9621-1A-5D	AZ9621-1C-5D
6	10.0	100	4.50	AZ9621-1A-6D	AZ9621-1C-6D
9	14.5	225	6.75	AZ9621-1A-9D	AZ9621-1C-9D
12	18.5	400	9.00	AZ9621-1A-12D	AZ9621-1C-12D
18	26.0	900	13.50	AZ9621-1A-18D	AZ9621-1C-18D
22	34.0	1345	16.5	AZ9621-1A-22D	AZ9621-1C-22D
24	35.5	1600	18.0	AZ9621-1A-24D	AZ9621-1C-24D

\*Add suffix "E" for epoxy sealed version

## MECHANICAL DATA



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



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