

AZ9621

10 AMP MINIATURE PC BOARD RELAY

FEATURES

- Extremely low cost
- Epoxy sealed version available
- High temperature (105°C) version available
- Creepage/Clearance 4mm/3mm
- Class F insulation (155°C) standard
- UL, CUR file E44211
- VDE file pending



CONTACTS

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

COIL

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

GENERAL DATA

Life Expectancy	
Mechanical	5 x 10 ⁶
Electrical	5 x 10 ⁴ at 10 A 250 VAC Res.
Operate Time (Typical)	15 ms
Release Time (Typical)	15 ms (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	2500 Vrms contact to coil 1000 Vrms across contacts
Insulation Resistance	100 megohms min. at 500 VDC, 50% RH
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature	At nominal coil voltage
Operating	-40°C (-40°F) to 85°C (185°F) Std. Temp. -40°C (-40°F) to 105°C (221°F) High Temp.
Storage	-40°C (-40°F) to 155°C (311°F)
Vibration	>4g at 30-400 Hz
Shock	>10g (functional) >30g (destructive)
Enclosure	P.E.T. polyester
Terminals	Tinned copper alloy, P.C.
Max. Solder Temp.	260°C (500°F)
Max. Solder Time	5 seconds
Max. Immersion Time	30 seconds
Weight	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

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9/28/05W

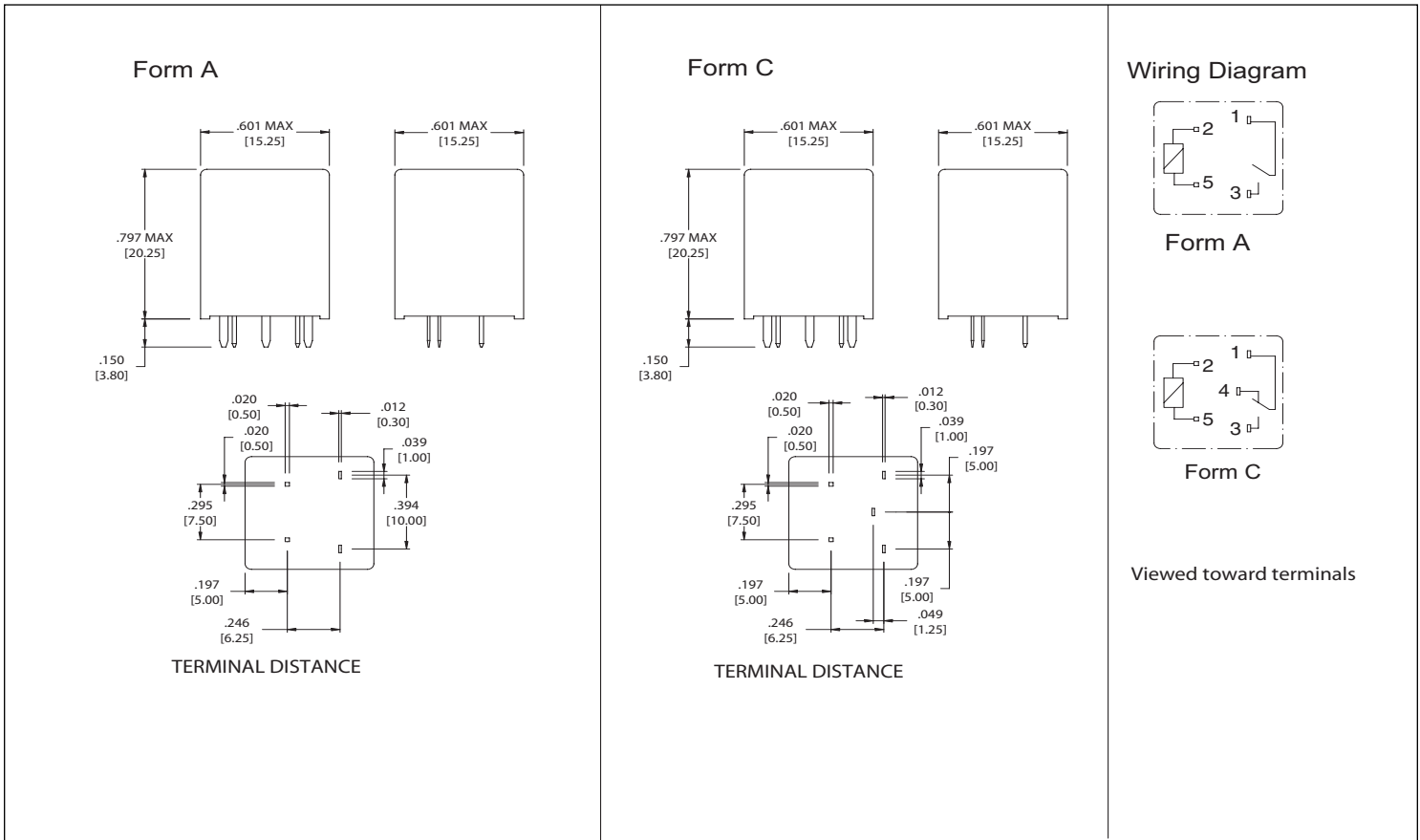
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RELAY ORDERING DATA

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
36	53.3	3600	27.0	AZ9621-1A-36D	AZ9621-1C-36D

* Add suffix "E" for epoxy sealed version. Add suffix "K" for high temperature version.

MECHANICAL DATA



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



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