

## DPST MINIATURE POWER RELAY

### FEATURES

- Dielectric strength 4000 Vrms
- Low cost
- Epoxy sealed version available
- 5 Amp switching — double pole contacts
- UL Class B insulation system
- UL, CUR file E43203



### CONTACTS

<b>Arrangement</b>	DPST (2 Form A)
<b>Ratings</b>	Resistive load: Max. switched power: 150 W or 1200 VA Max. switched current: 5 A Max. switched voltage: 150* VDC or 380 VAC  *Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.
<b>Rated Load UL, CUR</b>	5 A at 250 VAC general use, 100k cycles 5 A at 30 VDC resistive, 100k cycles TV-3 at 125 VAC
<b>Material</b>	Silver cadmium oxide, silver tin oxide
<b>Resistance</b>	< 50 milliohms initially (24 V, 1 A voltage drop method)

### COIL

<b>Power At Pickup Voltage (typical)</b>	300 mW
<b>Max. Continuous Dissipation</b>	1.5 W at 20°C (68°F) ambient
<b>Temperature Rise</b>	45°C (81°F) at nominal coil voltage
<b>Temperature</b>	Max. 130°C (266°F)

### 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.

### GENERAL DATA

<b>Life Expectancy Mechanical Electrical</b>	Minimum operations 1 x 10 <sup>7</sup> 1 x 10 <sup>5</sup> at 5 A 240 VAC Res.
<b>Operate Time (typical)</b>	15 ms at nominal coil voltage
<b>Release Time (typical)</b>	10 ms at nominal coil voltage (with no coil suppression)
<b>Dielectric Strength (at sea level for 1 min.)</b>	4000 Vrms contact to coil 1000 Vrms between open contacts 1000 Vrms between contact sets
<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>	-40°C (-40°F) to 85°C (185°F) -40°C (-40°F) to 130°C (266°F)
<b>Vibration</b>	0.062" DA at 10–55 Hz
<b>Shock</b>	20 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>	13 grams

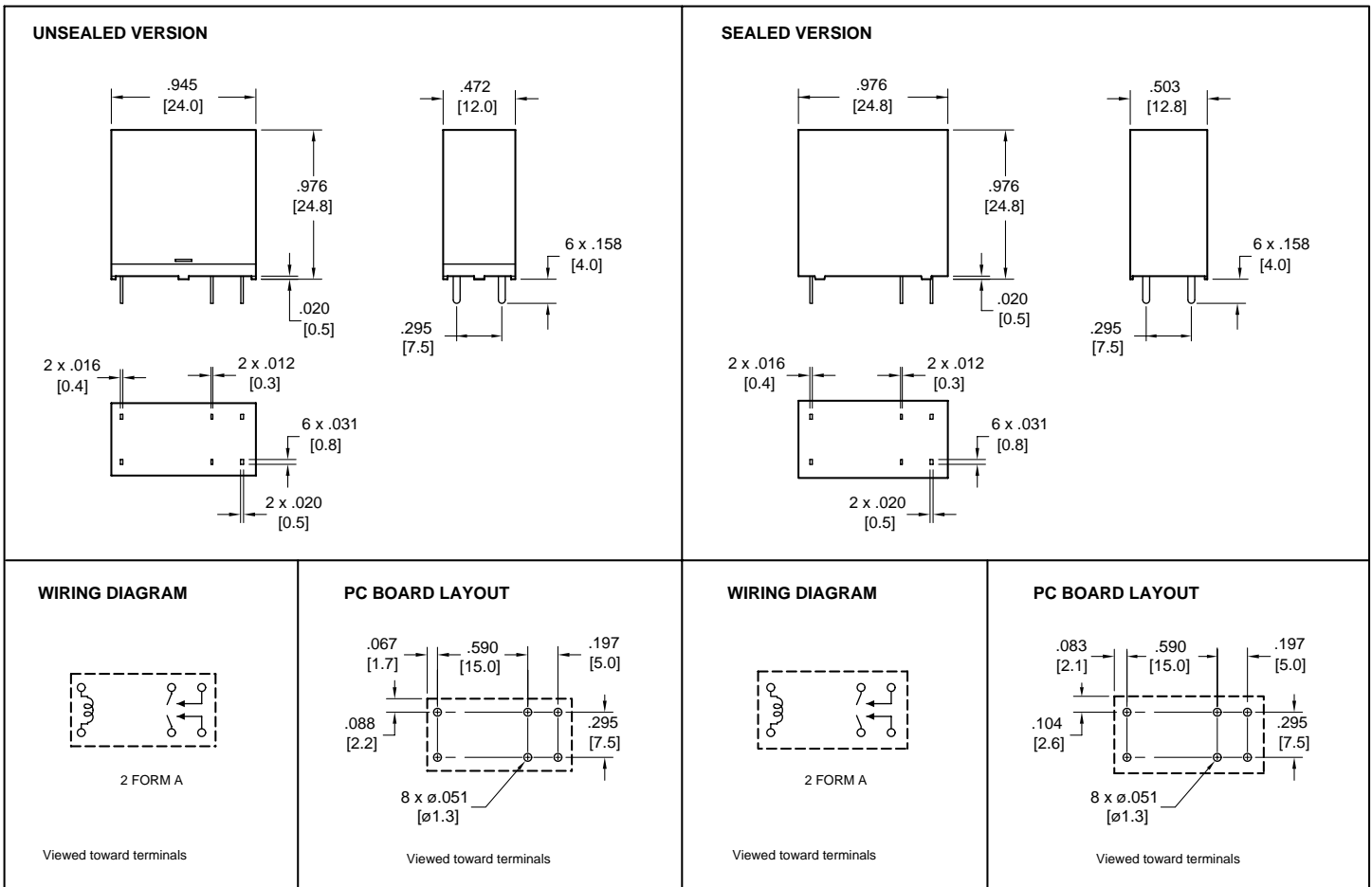


## RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Unsealed	Sealed
5	3.75	8.4	47	AZ734-2A-5D	AZ734-2A-5DE
6	4.5	10.0	68	AZ734-2A-6D	AZ734-2A-6DE
9	6.75	15.2	155	AZ734-2A-9D	AZ734-2A-9DE
12	9.0	20.1	270	AZ734-2A-12D	AZ734-2A-12DE
18	13.5	30.5	620	AZ734-2A-18D	AZ734-2A-18DE
24	18.0	40.2	1080	AZ734-2A-24D	AZ734-2A-24DE
48	36.0	81.2	4400	AZ734-2A-48D	AZ734-2A-48DE

\*Add suffix "A" for silver tin oxide contact material.

## MECHANICAL DATA



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

