

# AZ767

## 3A SUBMINIATURE POWER RELAY

### FEATURES

- Small footprint
- Low cost
- Class B insulation standard
- Epoxy sealed version available
- UL, CUR file E44211



### CONTACTS

<b>Arrangement</b>	SPDT (1 Form C)
<b>Ratings</b>	Resistive load: Max. switched power: 90W (SPDT) 750VA (SPDT)  Max. switched current: 3A Max. switched voltage: 150VDC* or 380VAC Note: If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.
<b>Rated Load UL, CUR</b>	Form C 3A at 250VAC, General Use, 100k cycles [1][2] 3A at 30VDC, Res., 100k cycles [1][2] [1] silver cadmium oxide [2] silver nickel
<b>Material</b>	Silver cadmium oxide or silver nickel
<b>Resistance</b>	<100 milliohms initially (24V, 1A voltage drop method)

### COIL

<b>Power At Pickup Voltage (typical)</b>	253mW standard
<b>Max. Continuous Dissipation</b>	1.25W at 20°C (68°F) ambient
<b>Temperature Rise</b>	41°C (74°F) at nominal coil voltage, standard
<b>Temperature</b>	Max. 130°C (266°F)

### GENERAL DATA

<b>Life Expectancy Mechanical Electrical</b>	Minimum operations 1 x 10 <sup>7</sup> 1 x 10 <sup>5</sup> at 5A, 240VAC Res.
<b>Operate Time (typical)</b>	8ms at nominal coil voltage
<b>Release Time (typical)</b>	5ms at nominal coil voltage (with no coil suppression)
<b>Dielectric Strength (at sea level for 1 min.)</b>	2500Vrms coil to contact 1000Vrms between open contacts
<b>Insulation Resistance</b>	1000 megohms min. at 20°C 500VDC 50% RH
<b>Dropout</b>	Greater than 5% of nominal coil voltage
<b>Ambient Temperature Operating Storage</b>	At nominal coil voltage -40°C (-40°F) to 90°C (194°F), standard -40°C (-40°F) to 105°C (221°F), sensitive -40°C (-40°F) to 130°C (266°F)
<b>Vibration</b>	0.062" DA at 10–50 Hz
<b>Shock</b>	10 g operating, 100 g damage
<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>	6 grams

### 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.

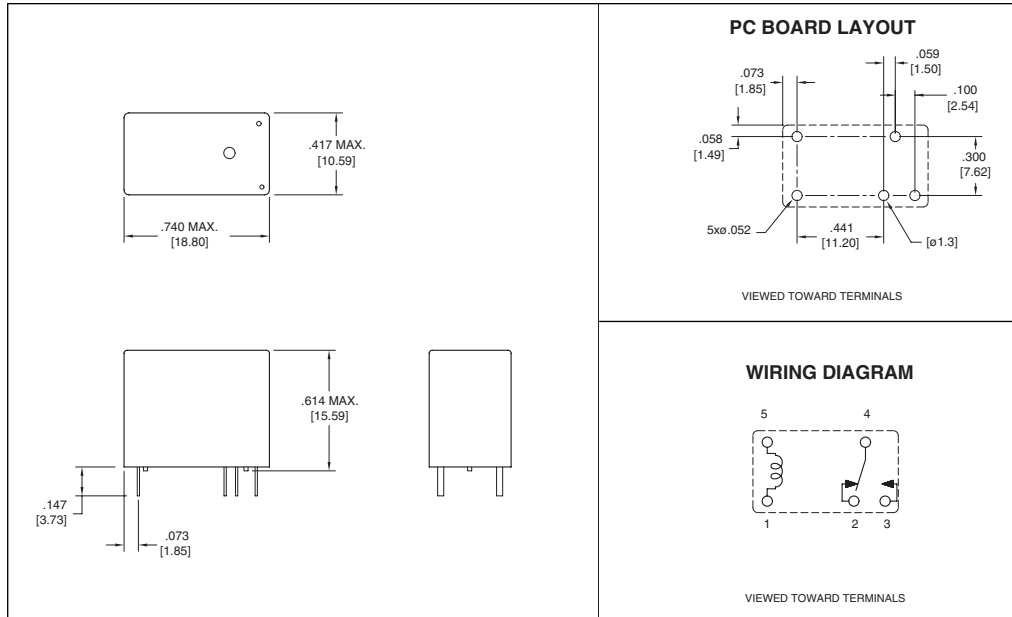
# AZ767

## RELAY ORDERING DATA

STANDARD RELAYS				ORDER NUMBER*
COIL SPECIFICATIONS				Form C (SPDT)
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohms $\pm 10\%$	
3	2.25	5.0	20	AZ767-1C-3D
5	3.75	8.3	55	AZ767-1C-5D
6	4.5	10.0	80	AZ767-1C-6D
9	6.75	15.0	180	AZ767-1C-9D
12	9.0	20.0	320	AZ767-1C-12D
18	13.5	30.0	720	AZ767-1C-18D
24	18.0	40.0	1,280	AZ767-1C-24D
48	36.0	80.0	5,120	AZ767-1C-48D

\*For silver nickel contacts change "-1C" to "-1CB". Add suffix "E" for epoxy sealed version. Add suffix "A" for gold plated version.

## MECHANICAL DATA



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

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11/28/17

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This specification provides an overview of the most significant part features. Any individual applications and operating conditions are not taken into consideration. It is recommended to test the product under application conditions. Responsibility for the application remains with the customer. Proper operation and service life cannot be guaranteed if the part is operated outside the specified limits.