

# AZ732

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## MINIATURE POWER RELAY

### FEATURES

Dielectric strength 4000 Vrms coil to contact  
Isolation spacing greater than 8mm  
Double pole – Forms A, B and C available  
10A switching  
SLIMPACK™ version saves board space  
Epoxy sealed version for automatic wave soldering and cleaning  
Approvals/Standards include : UL, CSA, VDE, IEC, SEMKO and CEE  
UL File E44211 ; CSA File LR85091 ;  
VDE 4120-4940-4002/A1



### CONTACTS

<b>Arrangement</b>	DPDT (2 Form C)
<b>Ratings</b>	<b>Resistive load :</b> Max switched power : 300W, 2770VA Max switched current : 10A, 51A for 2ms Max switched voltage : 150*VDC / 400VAC UL Rating : 10A at 30VDC or 277VAC 0.125HP 120VAC motor load <small>*Note : If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.</small>
<b>Material</b>	Silver cadmium oxide
<b>Resistance</b>	<30 milliohms initially (at rated current, voltage drop method)

### COIL

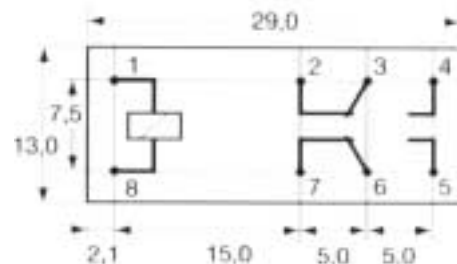
<b>Power</b>	
<b>At Pickup Voltage (typical)</b>	Standard coil 337mW Sensitive coil 250mW
<b>Max Continuous Dissipation</b>	1.9W 20°C ambient 1.4W 40°C ambient
<b>Temperature Rise</b>	Standard 40°C at nominal coil voltage Sensitive 32°C at nominal coil voltage
<b>Max Temperature</b>	110°C

### NOTES

- All values at 20°C
- Relay may pull in with less than 'Must Operate' value
- PCB layout viewed towards terminals
- Unsealed relays should not be dip cleaned
- Specifications subject to change without notice

### GENERAL DATA

<b>Life Expectancy</b>	Minimum operations
<b>Mechanical</b>	30 million
<b>Electrical</b>	1x10 <sup>5</sup> at 10A 30VDC 1x10 <sup>5</sup> at 10A 115VAC
<b>Operate Time (typical)</b>	7ms at nominal coil voltage
<b>Release Time (typical)</b>	2ms at nominal coil voltage (with no coil suppression)
<b>Dielectric Strength (at sea level for 1 min)</b>	4000 Vrms coil to contacts 2500 Vrms contact to contact 1000 Vrms between open contacts
<b>Insulation Resistance</b>	10,000 megohms min at 20°C. 500VDC, 50% RH
<b>Dropout</b>	Greater than 10% of nominal coil voltage
<b>Ambient Temperature Operating</b>	At nominal coil voltage Standard -55°C to 70°C Sensitive -55°C to 80°C
<b>Storage</b>	Both -55°C to 110°C
<b>Vibration</b>	0.062" DA at 10 – 55 Hz
<b>Shock</b>	20g
<b>Enclosure</b>	PBT polyester
<b>Terminals</b>	Tinned copper alloy, PC
<b>Weight</b>	20 grammes



### Logistic Design (UK) Limited

Unit 3 Eagle Centre Way, Sedgwick Road  
Luton LU4 9US, United Kingdom

Tel +44 (0)1582 599 600  
Fax +44 (0)1582 599 700

www.DataSheet4U.com

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