

# AZ696

## 10 AMP SUBMINIATURE POWER RELAY

### FEATURES

Miniature size : Form A version H16mm L30mm W10mm  
 High sensitivity, 100mW pickup  
 Dielectric strength 4000 Vrms  
 Isolation spacing greater than 8mm  
 Approvals/Standards include UL, CSA, VDE, IEC, SEMKO and CEE  
 10 Amp switching capability  
 Epoxy sealed for automatic wave soldering and cleaning  
 UL file E44211, CSA file LR 85091



### CONTACTS

<b>Arrangement</b>	SPDT (1 Form C) SPST (1 Form A)
<b>Ratings</b>	Resistive load : Max switched power : 300W or 2500VA Max switched current : 10A Max switched voltage : 150* VDC or 380VAC UL Rating : 10A at 30VDC 10A at 250VAC 0.25HP 120VAC 0.5HP 250VAC B300 pilot duty Q300 pilot duty  * Note : If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.
<b>Material</b>	Silver cadmium oxide
<b>Resistance</b>	< 30 milliohms initially (at rated current, voltage drop method)

### GENERAL DATA

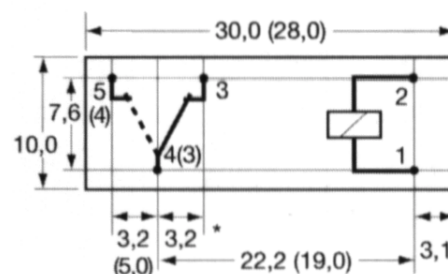
<b>Life Expectancy</b> <b>Mechanical</b> <b>Electrical</b>	Minimum operations 10 million 5x10 <sup>5</sup> operations at rated load
<b>Operate Time (typical)</b>	10ms at nominal coil voltage
<b>Release Time (typical)</b>	5ms at nominal coil voltage (with no coil suppression)
<b>Dielectric Strength</b> <b>(at sea level for 1 min)</b>	4000 Vrms coil to contact 1000 Vrms between open contacts
<b>Insulation Resistance</b>	1000 megohms min at 20°C. 500VDC, 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 to 70°C -40°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>	14 grammes

### COIL

<b>Power</b>	
<b>At Pickup Voltage</b> <b>(typical)</b>	100mW
<b>Max Continuous</b> <b>Dissipation</b>	1.5W 20°C ambient 1.2W 40°C ambient
<b>Temperature Rise</b>	20°C at nominal coil voltage
<b>Max Temperature</b>	110°C

### NOTES

<ol style="list-style-type: none"> <li>All values at 20°C</li> <li>Relay may pull in with less than 'Must Operate' value</li> <li>PCB layout viewed towards terminals</li> <li>Specifications subject to change without notice</li> </ol>
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