

**TAV**

## D200 Series

### High Power 200W reed relay with 7kV isolation



- **200W switching power**
- **7kV Isolation across contacts**
- **Low Contact Resistance**
- **PCB Mount**
- **Excellent AC characteristics**

The D200 series combines a high power 200W switching capacity with isolation of 7kV across the contacts.

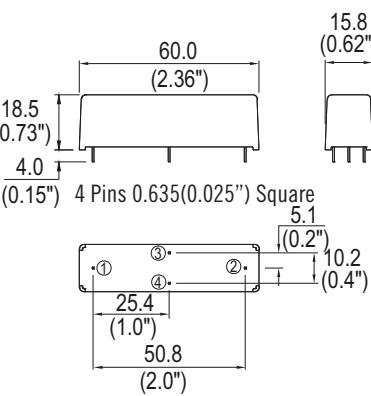
This switching performance is achieved through the use of high vacuum reed switches with Tungsten contacts and make these relays suitable for high reliability applications, such as test equipment and high voltage power supplies.

These are PCB Mount relays, though custom options may be available on request.

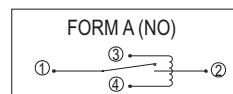
Contact Specification	Unit	Condition		
Switch Action		SPNO		
Contact Material		Tungsten		
Isolation across contacts	kV	DC or AC peak	7	
Switching Power Max.	W	resistive	200	
Switching Voltage Max.	V	DC or AC peak	2500	
Switching Current Max.	A	DC or AC peak	3	
Carry Current Max.	A	DC or AC peak	5	
Capacitance across contacts	pF	coil to screen grounded	0.8 typ	
Lifetime operations		dry switching	$10^9$	
		50W switching	$10^6$	
Contact Resistance	mΩ	max (typical)	600	
Insulation Resistance	Ωmin	(typical)	$(10^{13})$	
Coil Specification		5V	12V	24V
Must Operate Voltage	V DC	3.75	9	20
Must Release Voltage	V DC	0.5	1.25	4
Operate Time	ms	diode fitted	6.0	6.0
Release Time	ms	diode fitted	1.0	1.0
Resistance	Ω		28	150
				780
Relay Specification				
Isolation contact/coil	kV		17	
Insulation resistance contact to all terminals	Ωmin	(typical)	$10^{10}$ ( $10^{13}$ )	
Environmental				
Operating Temp range	°C		20 to +70	
Standard Parts		Coil Voltage Vdc		
DAT200-05		5		
DAT200-12		12		
DAT200-24		24		

Please refer to this document for circuit design notes:-  
<http://www.cynergy3.com/blog/application-notes-reed-relays-0>

#### Mechanical Dimensions



#### CIRCUIT DIAGRAM



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