



# 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.

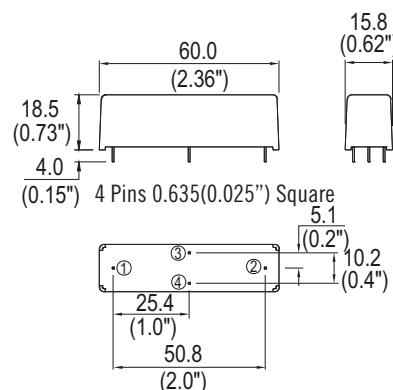
This switching performance is achieved through the use of high vacuum reed switches with Tungsten contacts and make these relays suitable for high reliability applications, such as test equipment and high voltage power supplies.

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

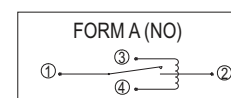
Contact Specification	Unit	Condition		
Switch Action		SPNO		
Contact Material		Tungsten		
Isolation across contacts	kV DC or AC peak	7		
Switching Power Max.	W resistive	200		
Switching Voltage Max.	V DC or AC peak	2500		
Switching Current Max.	A DC or AC peak	3		
Carry Current Max.	A DC or AC peak	5		
Capacitance across contacts	pF coil to screen grounded	0.8 typ		
Lifetime operations	dry switching	10 <sup>9</sup>		
	50W switching	10 <sup>6</sup>		
Contact Resistance	mΩ max (typical)	600		
Insulation Resistance	Ωmin (typical)	(10 <sup>13</sup> )		
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	6.0
Release Time	ms diode fitted	1.0	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 <sup>10</sup> (10 <sup>13</sup> )		
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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