



# 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

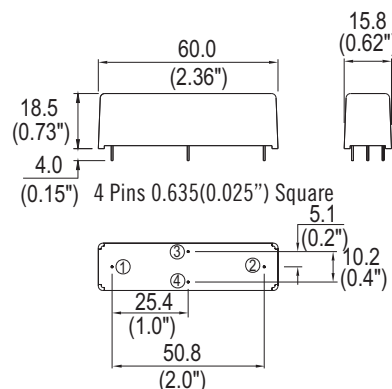
The D200 series combines a high power 200W switching capacity with isolation of 7kV across the contacts.

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.

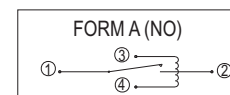
These are PCB Mount relays, though custom options may be available on request.

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	m	max (typical)	600		
Insulation Resistance		min (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			28	150	780
Relay Specification					
Isolation contact/coil	kV		17		
Insulation resistance contact to all terminals		min (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		

### Mechanical Dimensions



### CIRCUIT DIAGRAM



Cynergy3 Components Ltd.  
7 Cobham Road  
Ferndown Industrial Estate  
Wimborne, Dorset BH21 7PE  
Telephone +44 (0) 1202 897969

Email: sales@cynergy3.com

ISO9001 CERTIFIED

www.cynergy3.com