

## Excellent Integrated System Limited

Stocking Distributor

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[Cynergy3](#)  
[DAT200-05](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



## D200 Series

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



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

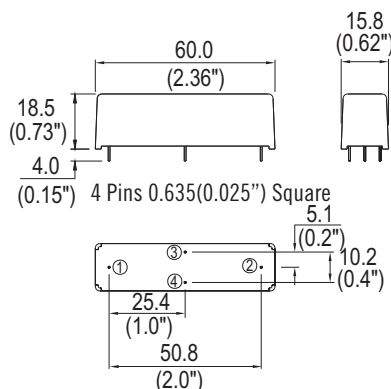
This switching performance is achieved through the use of high vacuum reed switches with Tungsten contacts and make these relays suitable for high reliability applications, such as test equipment and high voltage power supplies.

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

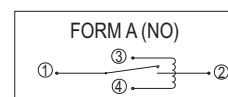
- **200W switching power**
- **7kV Isolation across contacts**
- **Low Contact Resistance**
- **PCB Mount**
- **Excellent AC characteristics**

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



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