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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**

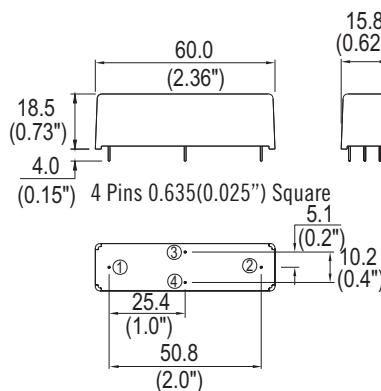
The D200 series combines a high power 200W switching capacity with isolation of 7kV across the contacts.

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.

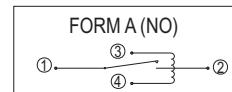
These are PCB Mount relays, though custom options may be available on request.

| Contact Specification | Unit | Condition | SPNO |
|--|------------------|-------------------------|-------------------------|
| Switch Action | | | Tungsten |
| Contact Material | | | |
| 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 | m | max (typical) | 600 |
| Insulation Resistance | | min (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 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^{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 | | |

Mechanical Dimensions



CIRCUIT DIAGRAM



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