



| 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. These relays are 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.

Features

- 200W switching power
- 7kV Isolation across contacts
- Low contact resistance
- PCB Mount
- Excellent AC characteristics

SPECIFICATIONS

Contact	Units	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	Ω min (typical)		(10 ¹³)		
Coil			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

Note. The operate / release voltage and coil resistance will change at a rate of 0.4% per degree C. Values are stated at room temperature (20 degrees C)

Relay	Units	Condition	
Isolation Contact/Coil	kV	DC or AC peak	17
Insulation Resistance Contact to all Terminals	Ω min (typical)		10^{10} (10^{13})
Environmental Conditions			
Operating Temperature Range	$^{\circ}$ C		-20 to +70

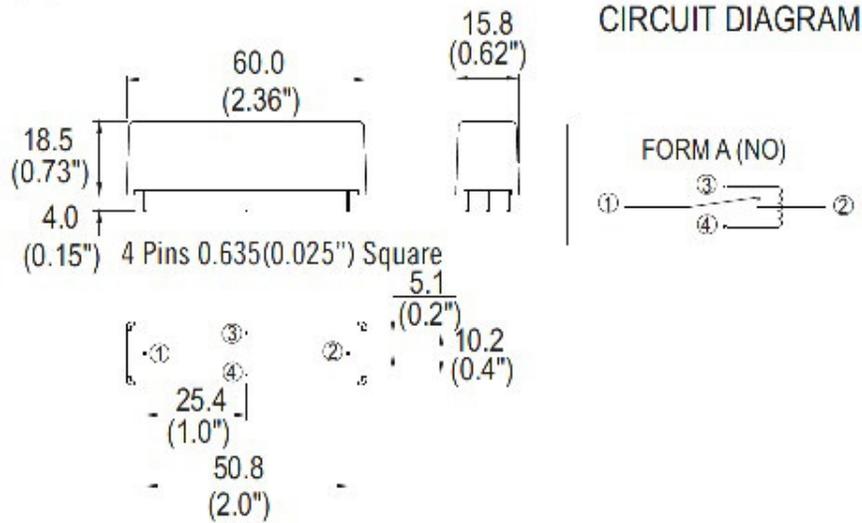
STANDARD PARTS

	Coil Voltage Vdc
DAT200-05	5
DAT200-12	12
DAT200-24	24

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

DIMENSIONS

All dimensions are in millimeters.



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