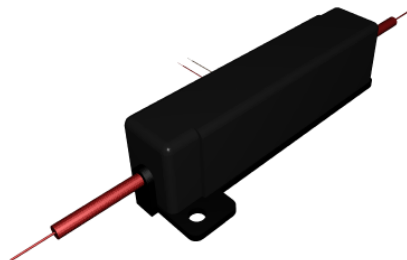


130/133D Series

High Breakdown Voltage



PRODUCT DESCRIPTIONS

The high breakdown voltage series is used for instrumentation device test and general purpose requirements. Mercury contact is also available.

- High breakdown voltage 10KV/15KV*
- High contact rating (Mercury 250W)
- Low contact resistance 50mΩ
- 1 Form A / Optional 1 Form B available
- Custom dimension available

SPECIFICATIONS



| 130D/133D Series | | 130D-1A□0N0 | | | 133D-1A30N0 | | High breakdown Voltage |
|--|------------------------|--|------|------|--------------------|--|--|
| Parameters | Units | 1 Form A | | | 1 Form A | | Test Conditions |
| Coil Specifications | | | | | | | |
| Nominal Coil Voltage | VDC | 5.0 | 12.0 | 24.0 | 24.0 | | ±10% @ 20°C 15°C to 35°C 15°C to 35°C |
| Coil Resistance | Ω | 80 | 250 | 600 | 400 | | |
| Operate Voltage | VDC Max | 4.0 | 9.6 | 19.2 | 19.2 | | |
| Release Voltage | VDC Min | 0.7 | 1.2 | 2.4 | 2.4 | | |
| Contact Ratings | | | | | | | |
| Switching Voltage | Volts | 7500 | | | 10000 | | Max DC/Peak AC resistance Max DC/Peak AC resistance Max DC/Peak AC resistance Max DC/Peak AC resistance @ 1V 10mA Max initial @ operate voltage |
| Switching Current | Amps | 3.0 | | | 3.0 | | |
| Carry Current | Amps | 3.0 | | | 3.0 | | |
| Contact Rating | Watts | 50 | | | 50 | | |
| Life Expectancy | x10 ⁶ Cycle | 100 | | | 100 | | |
| Contact Resistance | mΩ | 500 | | | 500 | | |
| Relay Specifications | | | | | | | |
| Insulation Resistance | Ω Min | 10 ¹⁰ | | | 10 ¹⁰ | | Between all isolated pins @ 1000V 20°C 40%RH Between contacts Contacts to coil @ nominal coil voltage 100Hz square wave Diode suppression |
| Dielectric Strength | VDC Min | 10000 | | | 15000 | | |
| Operate Time (Including Bounce) | VDC Min msec Max | 10000 5.0 | | | 15000 5.0 | | |
| Release Time | msec Max | 5.0 | | | 5.0 | | |
| Environmental Ratings | | | | | | | |
| Measurement Reference Conditions | | Storage temp: -40°C to +85°C Operate temp: -20°C to +60°C Vibration: 20G's to 2000Hz Shock: 50G's | | | | | |
| Temp: 15°C to 35°C Humidity: 25% to 75%RH Atmospheric Pressure: 860 to 1060hpa | | | | | | | |

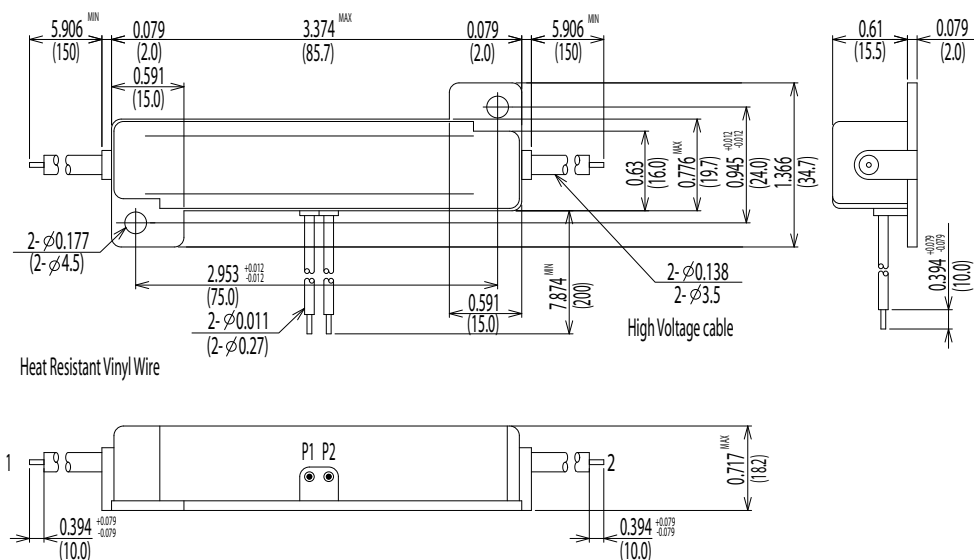
Ordering Code:

130D-1A□0N0

□=1 (5.0VDC), 2 (12.0VDC), 3 (24.0VDC)

Dimensions All Dimensions are inches (mm)

130D-1A □ 0N0 / 133D-1A30N0



Schematic <Top View>

