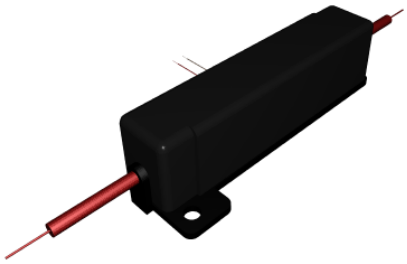
130/133D Series

High Breakdown Voltage



PRODUCT DESCRIPTIONS

The high breakdown voltage series is used for instrumentation devise test and general purpose requirements. Marcury 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

RoHS COMPLIANT

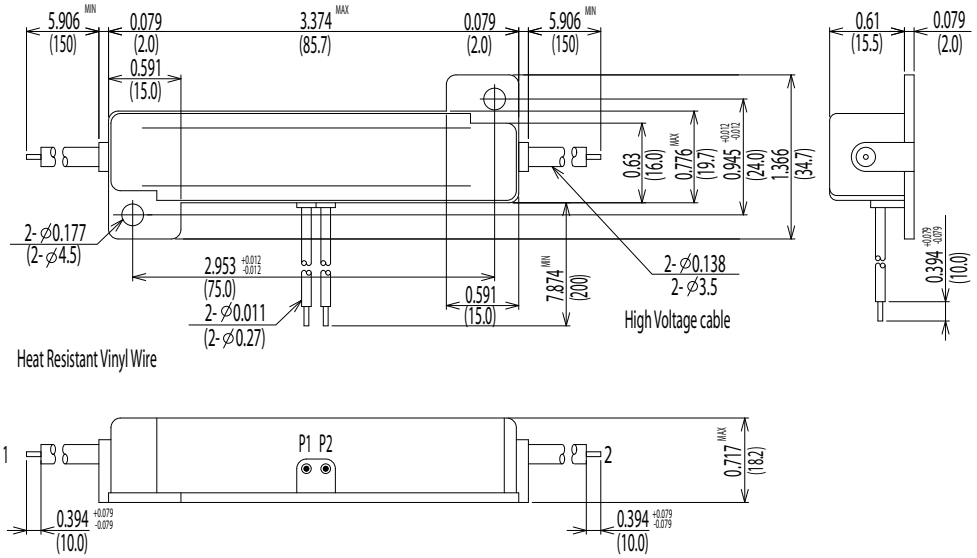
130D/133D Series		130D-1A□0N0			133D-1A30N0	High breakdown Voltage
Parameters	Units	1 Form A			1 Form A	Test Conditions
Coil Specifications						
Nominal Coil Voltage	VDC	5.0	12.0	24.0	24.0	
Coil Resistance	Ω	80	250	600	400	±10% @ 20°C
Operate Voltage	VDC Max	4.0	9.6	19.2	19.2	15°C to 35°C
Release Voltage	VDC Min	0.7	1.2	2.4	2.4	15°C to 35°C
Contact Ratings						
Switching Voltage	Volts	7500			10000	Max DC/Peak AC resistance
Switching Current	Amps	3.0			3.0	Max DC/Peak AC resistance
Carry Current	Amps	3.0			3.0	Max DC/Peak AC resistance
Contact Rating	Watts	50			50	Max DC/Peak AC resistance
Life Expectancy	$x10^6$ Cycle	100			100	@ 1V 10mA
Contact Resistance	mΩ	500			500	Max initial @ operate voltage
Relay Specifications						
Insulation Resistance	Ω Min	10^{10}			10^{10}	Between all isolated pins @ 1000V 20°C 40%RH
Dielectric Strength	VDC Min	10000			15000	Between contacts
	VDC Min	10000			15000	Contacts to coil
Operate Time (Including Bounce)	msec Max	5.0			5.0	@ nominal coil voltage 100Hz square wave
Release Time	msec Max	5.0			5. 0	Diode suppression
Environmental Ratings						
Measurement Reference Conditions Temp: 15°C to 35°C Humidity: 25% to 75%RH Atmospheric Pressure: 860 to 1060hpa		Storage temp: -40°C to +85°C Operate temp: -20°C to +60°C Vibration: 20G's to 2000Hz Shock: 50G's				

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>

