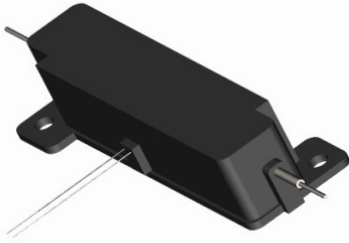


# 135W Series

## High Breakdown Voltage



### PRODUCT DESCRIPTIONS

The 135W Series consists of mercury contacts and achieved a high breakdown voltage rate of 10KV. This series is used for applications requiring less mechanical bouncing, such as ESD test. We also offer a low cost version in this series.

Please contact our sales engineers for more details.

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### Specifications

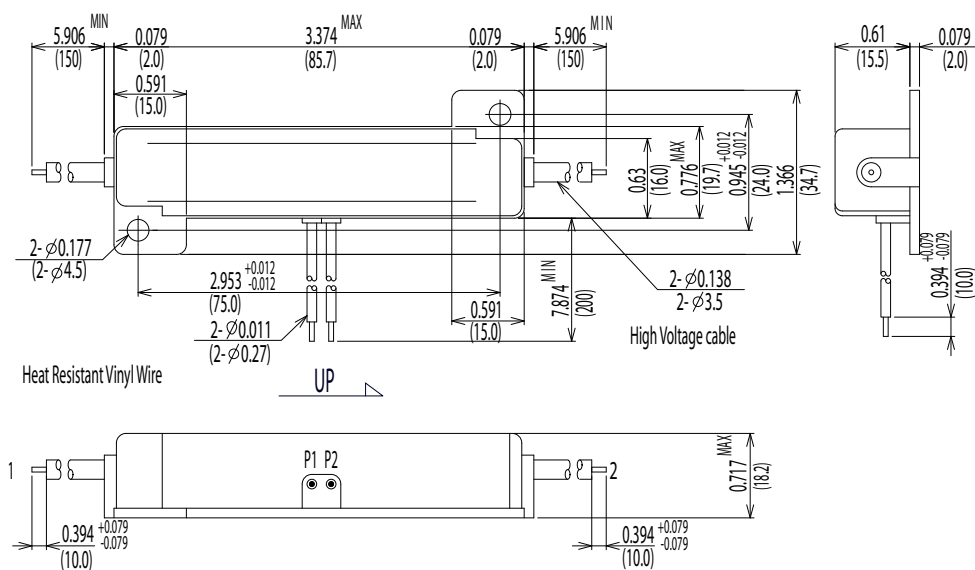
135W Series		135W-1A30N0	High Breakdown Voltage Wetted Mercury
Parameters	Units	1 Form A	Test Condition
Coil Specifications			
Nominal Coil Voltage	VDC	24.0	±10% @ 20°C 15°C to 35°C 15°C to 35°C
Coil Resistance	Ω	300	
Operate Voltage	VDC Max	19.2	
Release Voltage	VDC Min	2.4	
Contact Ratings			
Switching Voltage	Volts	10000	Max DC/Peak AC resistance
Switching Current	Amps	5.0	Max DC/Peak AC resistance
Carry Current	Amps	10.0	Max DC/Peak AC resistance
Contact Rating	Watts	250	Max DC/Peak AC resistance
Life Expectancy	x10 <sup>6</sup> Cycle	1000	@ 1V 10mA
Contact Resistance	mΩ	50	Max initial @ operate voltage
Contact Resistance Stability	mΩ	2.0	Max initial @ operate voltage
Relay Specifications			
Insulation Resistance	Ω Min	10 <sup>10</sup>	Between all isolated pins @ 1000V 20°C 40%RH
Dielectric Strength	VDC Min	10000	Between contacts
	VDC Min	10000	Contacts to coil
Operate Time (No Bounce)	msec Max	10.0	@ nominal coil voltage
Release Time	msec Max	6.0	20Hz square wave Diode suppression
Environmental Ratings			
Measurement Reference Conditions		Storage temp: -20°C to +80°C Operate temp: -10°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			



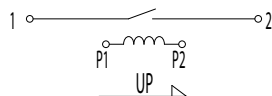
## Dimensions

**All Dimensions are inches (mm)**

**135W-1A30N0**



### Schematic <Top View>



Note: Hg wet contacts must be mounted within 30° of vertical plane.