

product description

POT-C36H12 is a resistive ring-film position sensor.

The sensor interface V0 is grounded, V + is connected to the power supply cathode, and V1 is the sensor output voltage. When there is no external pressure acting in the induction area, V1 is in an open state and the output voltage V1 is 0; when there is a pressure (20g-50g), the sensor triggers and V1 outputs the voltage signal. When the pressure action position moves from the left end to the right end of the sensor, V1 becomes larger, the change range varies from 0.2V + to 0.8V +, and the size of V1 voltage is determined by the pressure action position; after the pressure is removed, the sensor returns to the off state, and the voltage V1 is 0.


The position sensor is composed of polyester film with excellent comprehensive mechanical properties and environmental protection, highly conductive material, graphene pressure sensing material and adhesive material. There is double-sided adhesive tape on the back for easy installation operation. Using the metal terminal interface, anti-oxidation, can be direct tin welding.

- Excellent position sensing
- The response speed is fast
- Long durability and long life
- Long service life
- The circuit principle is simple and easy to apply
- customizable

Typical application

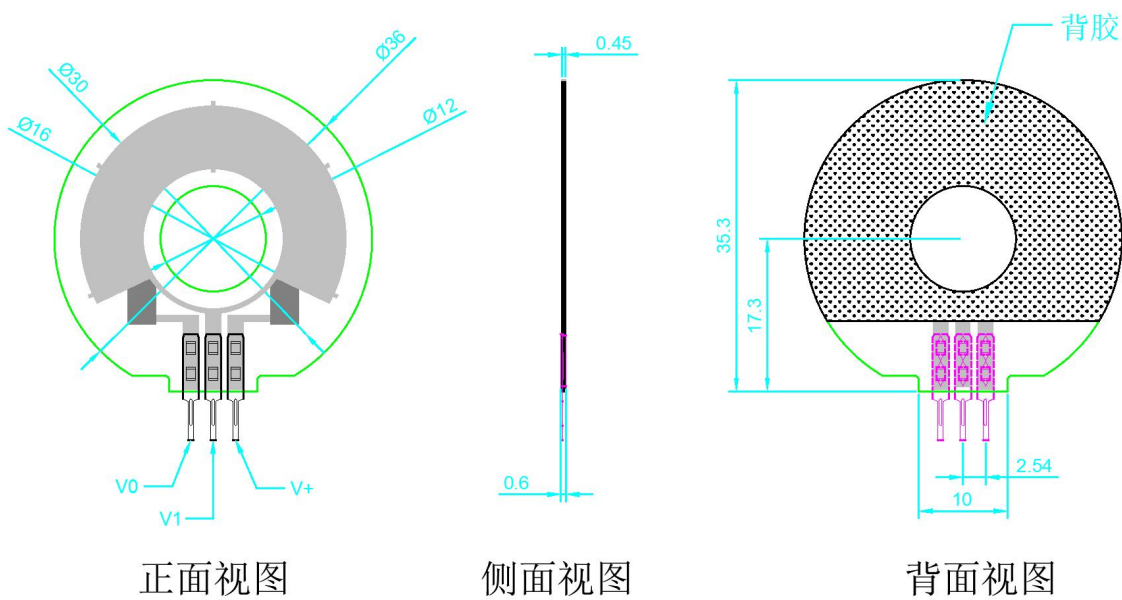
- Position induction
- potential device
- Shift switch
- Other position-sensing scenarios

basic technical data

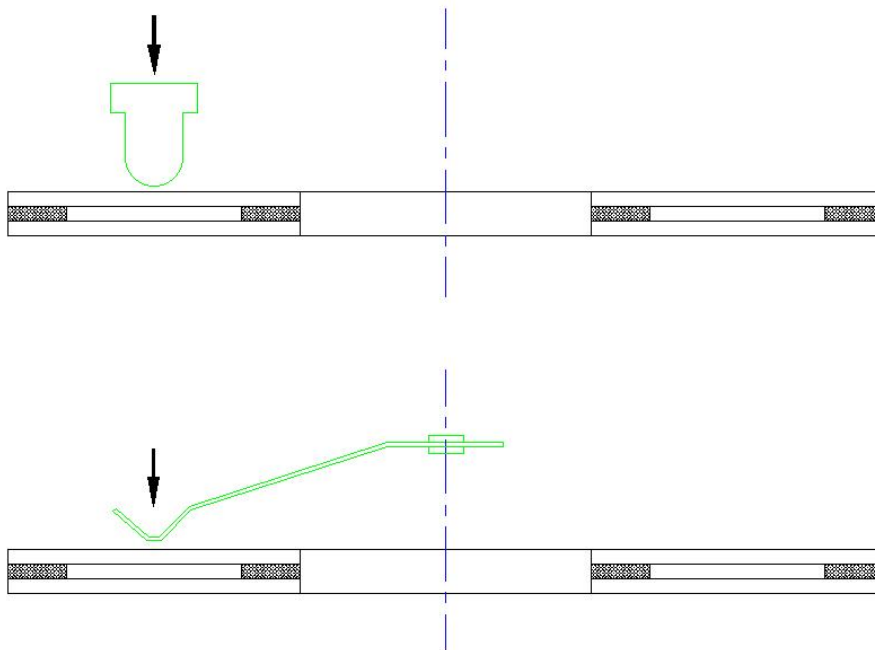
thickness	0.45 mm
pattern	schistose
Trigger force	20g-50g
Recommended pressure	20g~200g
Recommended head pressure	Arc shrapnel / D3 rubber ball head
Conductor contact resistance	Less than 10 Ω
Pressure mode of action	Shrapnel / spring / weight block
Resistor when not triggered	Infinity (V1-V0, V1-V +)
Activation time	Less than 0.01S
end-use temperature	-20°C~+65°C
durability	Over 1 million times (Normal flexible pressing)
Initial resistance	D: 5K, G: 160K
response time	<1ms
Whether waterproof	deny
Whether dust	yes
electromagnetic interference EMI	not have
static electricity discharge EDS	not have
accord with RoHS	

Basic instructions

1. The structure dimension diagram is shown below



2. Action mode of product pressure



make a footnote:

The above information is considered correct and is prepared for professional, competent end users with the ability to correctly assess and use this data.

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