

# FSR sensor



## 1.Description:

This sensor adopts the flexible nano pressure-sensitive material with an ultra-thin film pad. It has the functions of water-proof and pressure detection.

When the sensor detects the outside pressure, the resistance of sensor will make a change. So we can use the circuit to convert the pressure signal that senses pressure change into the corresponding electric signal output. In this way, we can know the conditions of pressure changes by detecting the signal changes.

## 2.Parameters:

- 1)Working Voltage: DC 3.3V—5V
- 2)Range: 0-0.5KG
- 3)Thickness: <0.25mm
- 4)Response Point: <20g
- 5)Repeatability: <±5.8% (50% load)
- 6)Accuracy: ±2.5% (85% range interval)
- 7)Durability: >100 thousand times
- 8)Initial Resistance: >100MΩ (no load)
- 9)Response Time: <1ms
- 10)Recovery Time: <15ms
- 11)Working Temperature: -20°C to 60°C
- 12)Size: 67mm\*22mm\*7mm
- 13)Weight: 2.5g