

Interlink Electronics – Circular FSR



Product Description

The Interlink Force Sensing Resistor uses a 0.2" (5mm) circular pad to sense applied force.

Force Sensing Resistors (FSRs) are very thin, robust, polymer thick film (PTF) devices that decrease in resistance when increased pressure is applied to the surface of the sensor. FSRs are not a load cell or strain gauge devices though they have many similar properties.

They are more appropriate for qualitative rather than precision measurements.

Product Specifications

Sensor Properties

Sensor Type	Force Sensitive Resistor
Force Min	1 N
Force Max	100 N
Pressure Min	10.3 kPa
Pressure Max	1 MPa
Repeatability Error Max	± 2 %
Hysteresis Max	10 %
Long-Term Drift Max	5 %
Response Time Max	3 ?s
Temperature Sensitivity Max	0.15 % per °C

Physical Properties

Sensing Area	19.6 mm ²
Lifespan	10 million actuations
Operating Temperature Min	-30 °C
Operating Temperature Max	70 °C