

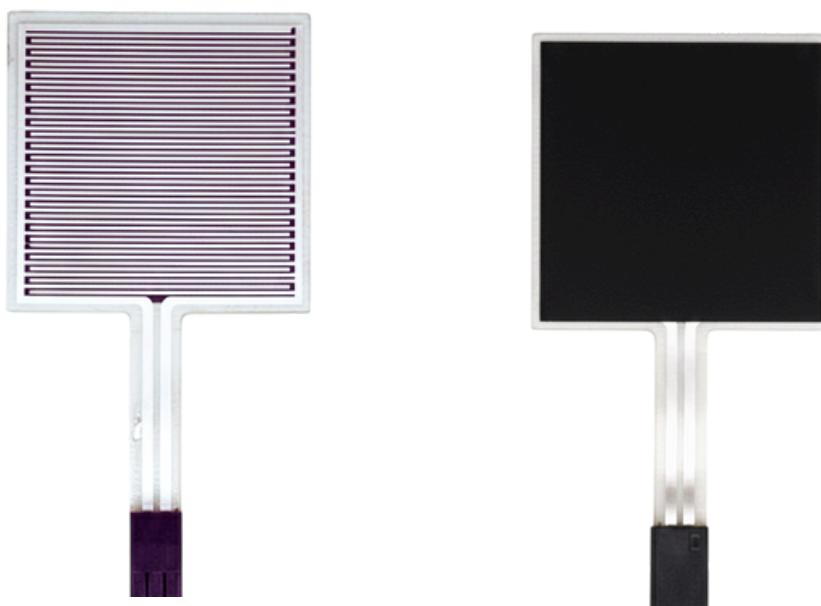
## — Square Force Sensor Resistor —

### ◆ **Description :**

These sensors are designed to measure force and pressure across a wide range of operating conditions. They offer a flexible, compact, cost-efficient, and versatile force-sensing solution that can be custom-designed for specific application requirements and integrated in multiple ways. Their thin profile and small footprint make them ideal for space-constrained designs where reliable force measurement is essential.

### ◆ **Application :**

- Sports & Medical Performance Optimization
- Diagnosing Foot Conditions
- Rehabilitation Progress Tracking
- Gait Analysis
- Footwear Development

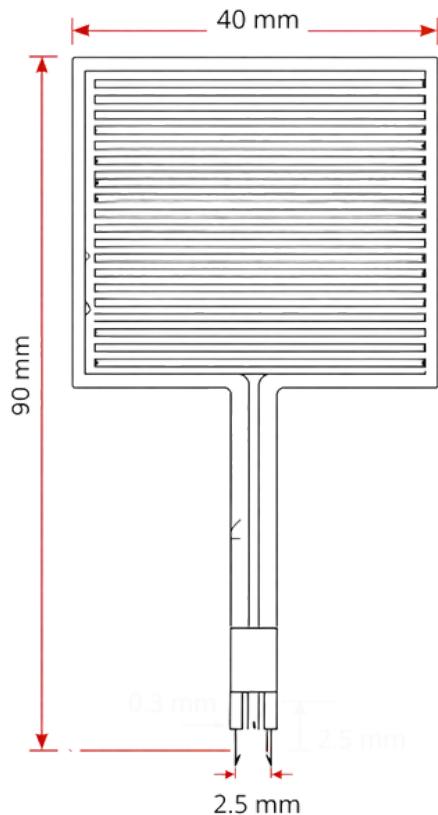


## — Square Force Sensor Resistor —

### ◆ Feature :

- Wide Force Sensing Range (5n to 450n)
- Detects Force, Pressure & Touch
- Thin, Lightweight & Flexible
- Able to withstand extreme temperatures and conditions
- Customizable to a wide range of applications
- Cost Effective Sensing Solutions

### ◆ Sensor Mechanical Data :



# — Square Force Sensor Resistor —

## ◆ General Information :

Property	Value
<b>Technology</b>	FSR (Shunt mode)
<b>Response time</b>	< 1 msec
<b>Sensing Area</b>	40 × 40 mm
<b>Unload Condition</b>	0.981 to 1.2 M Ohms
<b>Pressure range</b>	0 to 50 kg
<b>Conductive paste</b>	Silver and Carbon
<b>Material Type</b>	(PET) Polyester durable material
<b>Dimension</b>	90 × 40 mm
<b>Thickness</b>	0.3 mm
<b>Connector</b>	2-pin Male Pin
<b>Pin spacing</b>	2.5 mm
<b>Accuracy</b>	High precision with ±5%
<b>Durability</b>	>1 million times
<b>IP rating</b>	IP67
<b>Country of origin</b>	India

## — Square Force Sensor Resistor —

### ❖ Datasheet Graph :

