

● ——— 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

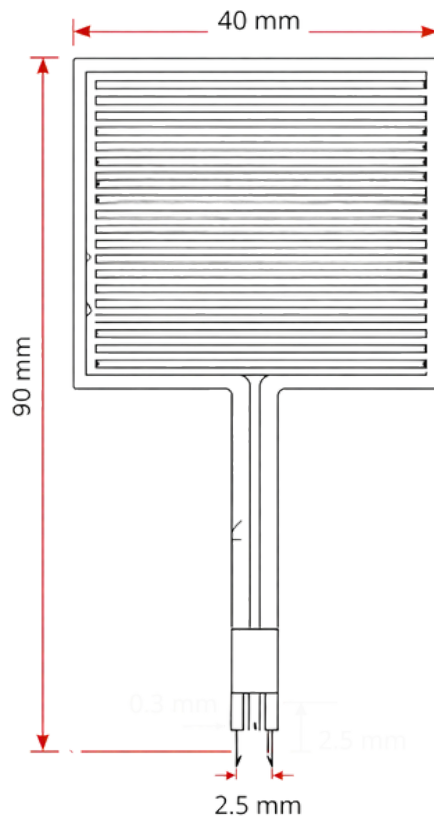


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✦ **Feature :**

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

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✦ Datasheet Graph :

