

Tactile Sheet

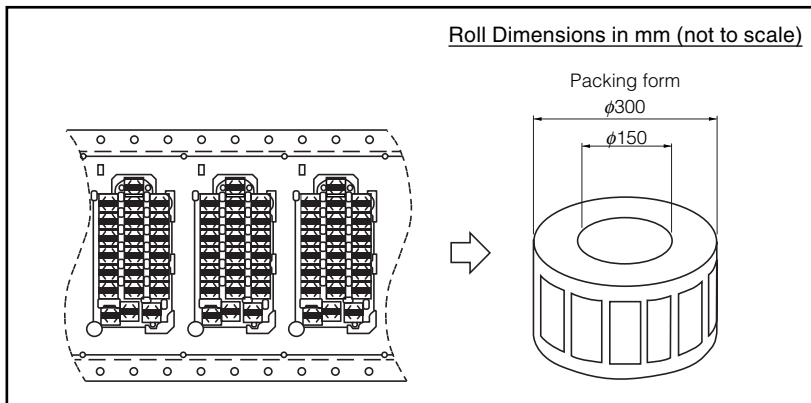
Type: **ESP**

The part of switch is designed for thin and small electronic devices such as mobile phones.
Creates thin push switches when combined with fixed contacts on a PWB.



■ Features

- Resistant to environmental degradation:
 - 1) Diaphragms with a center hole ensure contact stability.
 - 2) Silver-plated diaphragms achieve high contact stability.
- Metal diaphragm creates a thin profile and lightweight.
- Sharp click-key operational feel.
- SMD available by using roll packaging (refer to the diagram below).



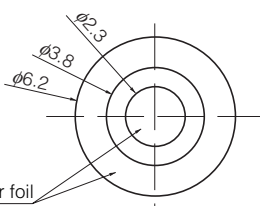
■ Specifications

Diaphragm		φ 5	φ 4
Mechanical	Operating Force	1.0 N, 1.6 N, 2.0 N	1.0 N, 1.6 N, 2.0 N
	Push Travel	0.25 mm±0.10 mm	0.15 mm±0.08 mm
	Height of Diaphragm: HD (Including an actuator)	0.35 mm±0.08 mm (0.58 mm±0.2 mm)	0.28 mm±0.08 mm (0.51 mm±0.2 mm)
Endurance	Operating Life	500000 cycles	500000 cycles
	Operating Temperature Range	-20 °C to +70 °C	-20 °C to +70 °C
	Storage Temperature Range	-40 °C to +85 °C	-40 °C to +85 °C

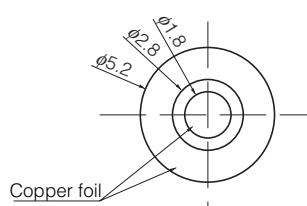
Note: The above specifications are typical.

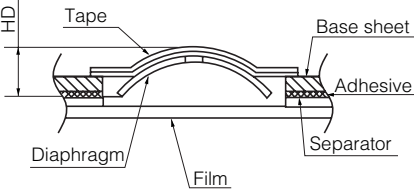
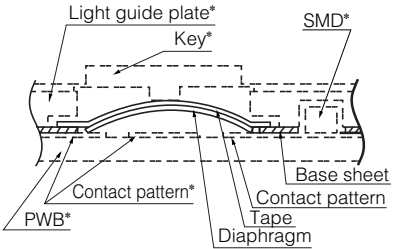
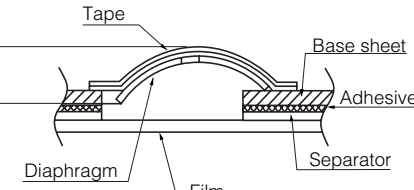
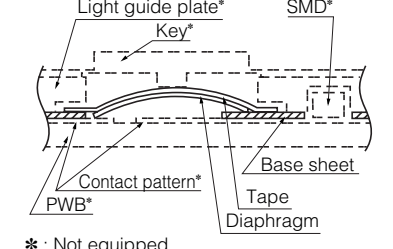
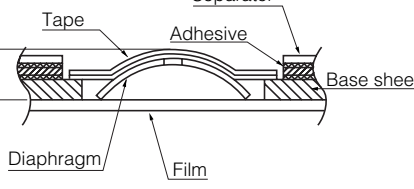
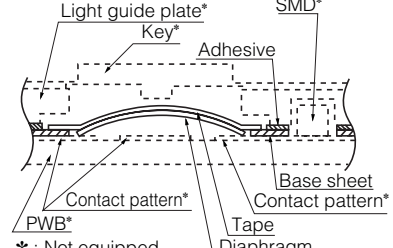
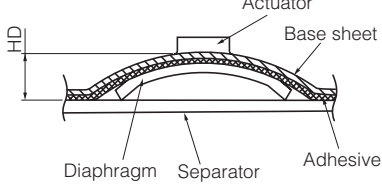
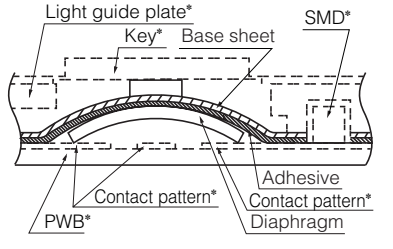
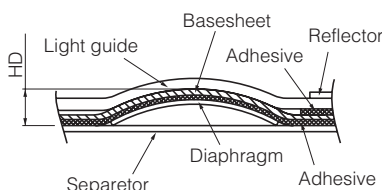
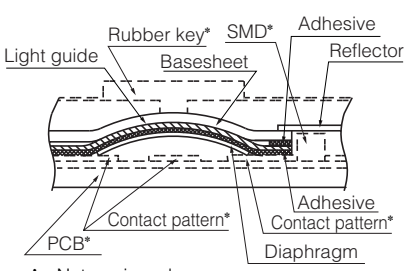
■ Recommended Contact Pattern

Surface treatment: Ni plating + Au plating



Surface treatment: Ni plating + Au plating



Appearance	Structure	Reference (usage)
<p>No. 1</p> <p>Basic Type</p>		 <p>* : Not equipped</p>
<p>No. 2</p> <p>Flap Type</p> <p>Application Available to protect the contact circuit path on PWB</p>		 <p>* : Not equipped</p>
<p>No. 3</p> <p>Above-Adhesive</p> <p>Application Adhesive with key-pad</p>		 <p>* : Not equipped</p>
<p>No. 4</p> <p>Actuator Type</p> <p>Application Prevents displacement of the set key from degrading the operational feel.</p>		 <p>* : Not equipped</p>
<p>No. 5</p> <p>Light Guide Type</p> <p>Application Equipped with a light-guide film (0.2-mm thick) for uniform high-intensity illumination</p>		 <p>* : Not equipped</p>

* Height of Diaphragm HD: Major specifications column reference

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