

*Using breakthrough technology,
we aim for products that will create new markets.*

New Product News

Wide range of products

Switch Modules

Tactile Sheet with Light Guide Film

Industry/Field: Mobile communication equipment

Evenly illuminated thin tactile sheet integrated with a light guide film



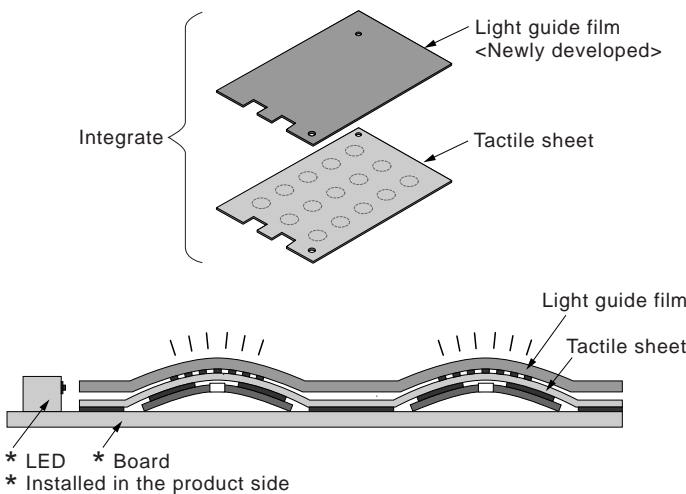
• Development Target:

Developed a tactile sheet integrated with a light guide film that features a thin design ideal for thinner mobile phones and portable equipment, has a good operation feel, and a bright, evenly illuminated keypad. (Allows reduction of the required number of LEDs and current consumption of target products.)

• Features:

- ① Thin tactile sheet integrated with a light guide film (0.2-mm thick) that provides good operation feel**
- ② Bright, evenly illuminated keypad**
- ③ Long life: 1 million operations**

• Construction:



• Characteristics/specifications:

Item		Specifications	
Diaphragm		φ 4 mm	φ 5 mm
Mechanical	Operating Force	1.0N, 1.35N, 1.6N, 2.0N	
	Stroke (representative)	0.15 mm	0.20mm
	Height of product (representative value)	0.47 mm	0.52mm
Endurance	Operating Life	1000000 cycles	
	Operating Temperature Range	-20°C to +70°C	
	Storage Temperature Range	-40°C to +85°C	

• Applications/usage examples:

- Mobile communication equipment (e.g. mobile phones, PDAs, smart phones)

• Explanation of part numbers:

