

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

New Product News

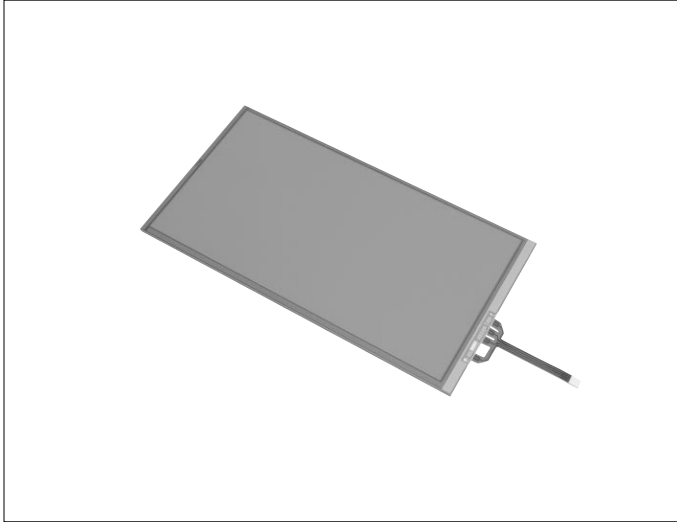
Wide range of products

Transparent Touch Panels

Film-Glass Transparent Touch Panels for Low-reflection Type

Industry/Field: Automotive electronics

High-recognition, Low-reflection Type Lineup



• Development Target:

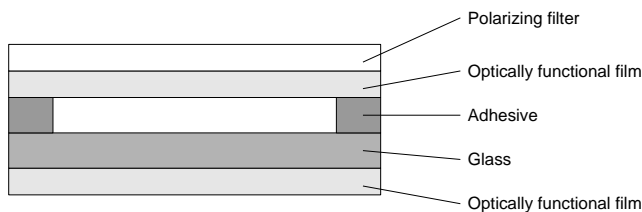
Film-Glass type transparent touch panel provides the high-recognition and high-reliability required for vehicle navigation systems and other in-vehicle equipment.

• Features:

- 1** High visual recognition achieved by low reflection
 - Industry's top-level low reflection rate: 5%
- 2** High-reliability Film-Glass construction
 - High-temperature high-humidity performance: 85°C, 85% RH (720 hrs)
 - High thermal shock performance: -40°C ↔ 85°C (1500 cycles)

• Number of industrial property rights: 3(Pending)

• Construction:



• Characteristics/specifications:

| Item | Specifications |
|--------------------------|--------------------------|
| Touch Panel Thickness | 1.7mm |
| Size | 8 inch max. |
| Total Light Transparency | 72% |
| Operating Force | 2N max. |
| Bouncing | 15ms max. |
| Linearity | ±3% max. to ±4% max. |
| Operating Temperature | -30°C to +70°C |
| Tapping Durability | 100 thousand cycles min. |

• Applications/usage examples:

- Car navigation systems and other in-vehicle equipment (Car audio, etc.)

• Explanation of part numbers:

EMU601 Series