

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

New Product News

The industry's smallest Trackball-Type

Multi Function Switches

Jog Ball

Industry/Field: AV/Information/Communication equipment,
Optic equipment

The industry's smallest trackball-type input device with high operability



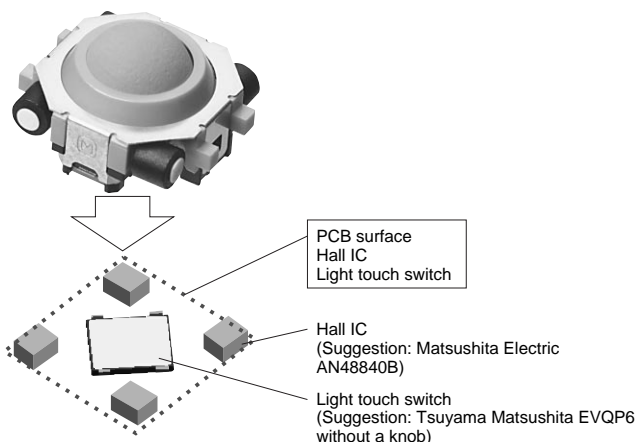
• Development Target:

To develop the industry's smallest trackball that meets the demand of portable equipment for smaller control switches with a longer life and higher operability

• Features:

- ① Trackball type switch having both a high resolution and high operability
- Type equipped with a center push switch is also available.
- ② Small size: 10.9 mm × 10.9 mm, 6.0 mm high,
5.5 mm ball diameter
- ③ Long life: 1 million operations (each direction)
- Magnetic detection system (non-contact type)

• Construction:



Note: Jog Ball requires hall IC and a switch mounted on a PCB.

• Characteristics/specifications:

Item	Specifications
Rating	10 mA 15 V (Push), 20 mA 1.6 V (Rotate)
Operating Force	0.1 mN · m ~ 2.5 mN · m (Rotate)
Resolution	11 Pulses/360° (Rotate)
Operation Life	1000000 min.
Full Travel	0.9 mm (Push)
Operation Temperature	-20°C to 70°C

• Applications/usage examples:

- Mobile communication equipment, Digital still camera, PDA, HPC, Car navigation, Remote Control Units, etc. (Menu-scroll and confirmation operations)

• Explanation of part numbers:

1	2	3	4	5	6	7	8
E	V	Q	W	J	N		
Product Code			Type		Design No.		