

**■ FEATURES**

- COMPACT
- BUILT-IN SCHMITT TRIGGER CIRCUIT
- HIGH SENSITIVITY (Ee: MAX 1mW/cm<sup>2</sup> AT Ta=25 )
- A WIDE RANGE OF OPERATING SUPPLY VOLTAGES (Vcc: 4.5 17V)
- LSTTL AND TTL COMPATIBLE OUTPUT

**■ APPLICATIONS**

- FLOPPY DISK DRIVERS
- COPIERS, PRINTERS, FACSIMILES
- VCRS, CASSETTE DECKS
- AUTOMATIC VENDING MACHINES

**■ GENERAL DESCRIPTIONS**

The circuit consists of a photodiode, amplified circuit, a decision circuit (schmidt trigger circuit) and an output buffer circuit. When the light comes, the circuit will sense the signal and give a corresponding output signal. PS103C/104C will generate a digital signal off/on corresponding to the incoming light which is on/off. The output buffer will give a TTL compatible output signal from the digital signal. With build-in regulator, this circuit has a wide operation range.

**■ CHIP SIZE**

PIN 1: GROUND, PIN 2: OUTPUT, PIN 3: Vcc (UNIT: mm)

