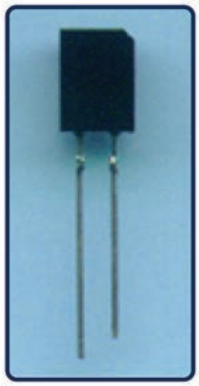
AMERICAN BRIGHT

Infrared LED

ISO 9001:2015 | IATF 16949:2016 | ISO 14001:2015

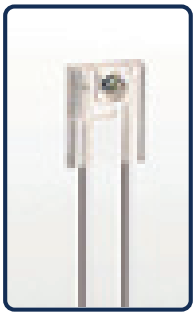
Photo Emitter [BIR]



- For emitting IR, 880nm/940nm
- Circuitry design is mainly in Analog
- Various lens color available

Applications:

Photo Transistor [BPT]



- For detecting IR
- Circuitry design is mainly in digital
- Different lens color available to filter out various color wavelength

Applications:
For detecting IR on Telephone, Fax, Toy or mouse…

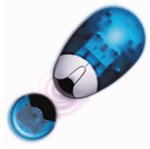


Photo Interrupter [BPI]

- Ideal for Object Detection and Photoelectric Switch
- Small, high reliability, long life
- High accuracy and fast reaction
- Easy connect to TTL & CMOS circuitries

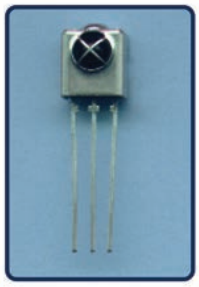
Applications:

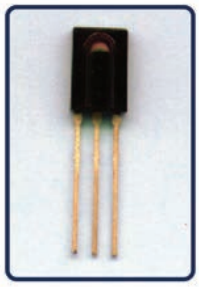
- Can be used in a mouse (IR +2 PT), for detecting of the moving direction.
- Printers, coin collecting machines.
- Speedometer
- Photoelectric switch for a control or detector on industrial machines.

Infrared Receiver Module [BRM]

One of the OPIC (OPtical IC) devices

- Combination of an optical part with an IC





Applications:

- Remote control for
  - TV / VCR
  - Audio System
  - Satellite Receiver
  - AC / Fans
- Most cases work with an IR emitter

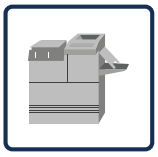
Photo Coupler/Photo Isolator [BPC]

A combination of an IR Emitter and Receiver device (photo transistor).

The functionality of a Photo Coupler is similar to a Relay and Transformer.

Applications:

- Battery Chargers / Adapters
- SPS
- Printers
- Copiers
- Scanners



13815-C Magnolia Ave, Chino, CA 91710 | (888) 533-0800 | aboc@americanbrightled.com | www.americanbrightled.com