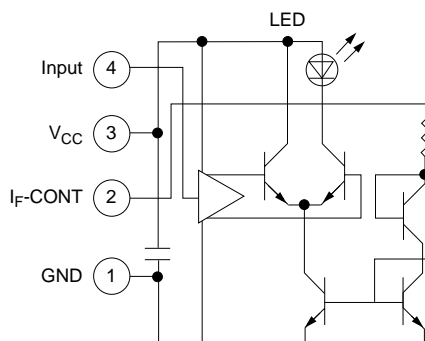
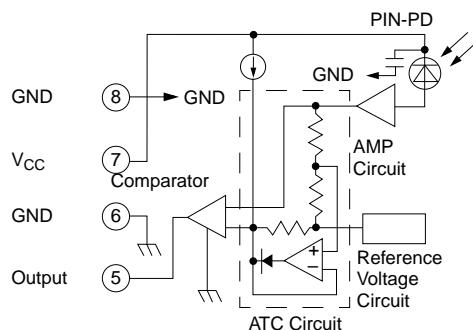


**Transmitting
Block
Diagram**

**Receiving
Block
Diagram**


OPTO-3001A Transceiver **OPTO-3001 Transceiver** **Digital Data Links (660 & 800 nm)**

OPTO-3001A and OPTO-3001 transceivers allow transmit and receive operation of TTL data for transmission speeds up to 6 Mb/s on plastic fiber and glass fiber, respectively.

Specifications

Data : TTL Interface
Data Rate: DC to 6 Mb/s
Wavelength: 660 nm & 800 nm
No. of Fibers: 2

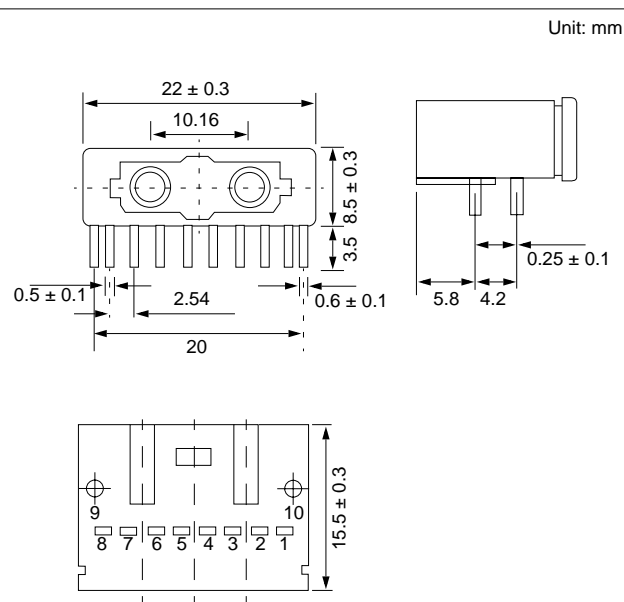
Mounting

Style: PC Board
Size: 0.88" W x 0.62" L x 0.34" H
 22 mm x 15.5 mm x 8.5 mm

Operating

Temperature: - 20° C to +70° C

Connectors: Duplex



- | | |
|--------------------|----------------------------------|
| 1. Output | 6. LED Current Limiting Resistor |
| 2. GND 1 | 7. V _{CC} |
| 3. V _{CC} | 8. Input |
| 4. GND 2 | 9. Case |
| 5. GND 3 | 10. Case |

| Power Budget/Distance | | |
|-----------------------|--------------|----------|
| Fiber Size | Power Budget | Distance |
| Plastic 980/1000μm | 16 dB | 80 m |
| Glass 200/230μm | 9 dB | 1.5 km |

Ordering Information

| Part Number | Description |
|-------------|---------------------|
| OPTO-3001A | Transceiver, 660 nm |
| OPTO-3001 | Transceiver, 800 nm |