

Under Development

3V Operation/With Shutter/No Screw Fixing, Square Type Optical Fiber Transmitter/Receiver Unit

[GP1FM313TZ/RZ]

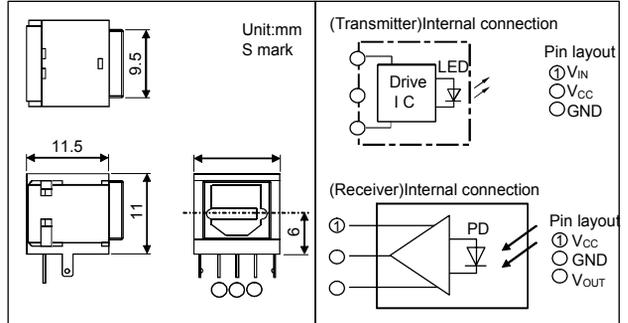
Features

- Reduction of fixing process by screw
- Reduction of mounting height
(Conventional model 19mm → 11mm)
- Double speed transmission for high quality audio signal such as DVD player, AV receiver.
(Data rate: MAX 15.5 Mbps)

Applications

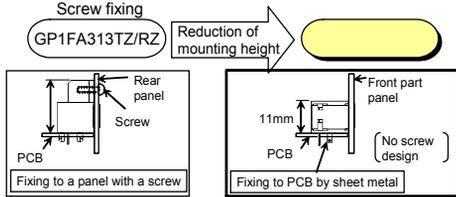
- DVD player
- AV amplifier

Outline dimensions



Development of Square type Optical fiber unit

With shutter
Double speed
3V operating



Specifications

Transmitter

| Parameter | Symbol | Characteristics |
|------------------------------------|-------------|-----------------|
| Operating supply voltage | V_{CC} | 2.7 to 3.6 V |
| Current consumption | I_{CC} | MAX 12 mA |
| Peak emission wavelength | λ_p | TYP 660 nm |
| Optical output coupling with fiber | P_C | MIN -21 dBm |
| Data rate | T | MAX 15.5 Mbps |
| Jitter | t_j | TYP 1 ns |
| Operating temperature | T_{opr} | -20 to +70 °C |

Receiver

| Parameter | Symbol | Characteristics |
|-----------------------------|---------------|-----------------|
| Operating supply voltage | V_{CC} | 2.7 to 3.6 V |
| Current consumption | I_{CC} | MAX 15 mA |
| Minimum input optical level | $P_{C_{MIN}}$ | MIN -27 dBm |
| Data rate | T | MAX 15.5 Mbps |
| Jitter | t_j | TYP 1 ns |
| Operating temperature | T_{opr} | -20 to +70 °C |

Line-up of Square type Optical Fiber Unit

