

Under Development

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

[GP1FM313TZ/RZ]

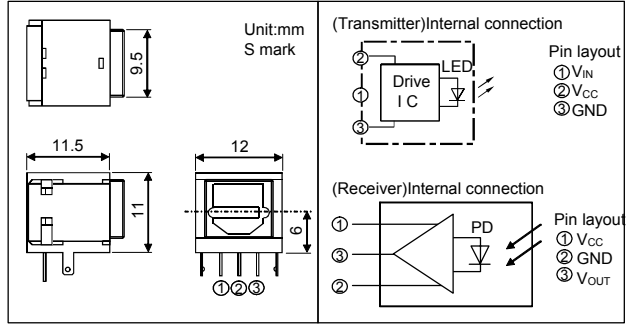
Features

- 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

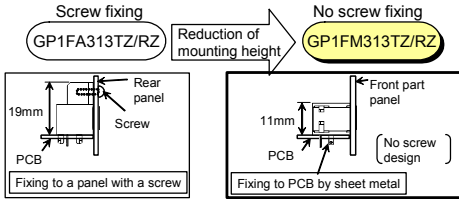
- DVD player
- AV amplifier

Outline dimensions



Development of Square type Optical fiber unit

With shutter
Double speed
3V operating



Specifications

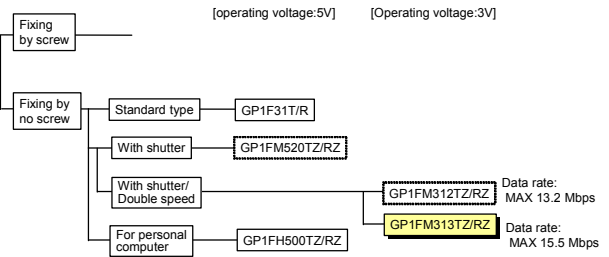
Transmitter

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



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