

## GP1FA511TZ/GP1FA511RZ Fiber Optic Trasmmitter/Receiver

### Shutter System Optic Transmitter/Receiver

#### ■ Features

- (1) Shutter system unnecessary to remove the protection cap
- (2) Uni-directional data transmission using plastic fiber
- (3) The optical receiver can be directly connectable the TTL, due to the use of \*OPIC.

\* "OPIC" (Optical IC) is a trademark of the SHARP Corporation. An OPIC consists of a light-detecting element and signal-processing circuit integrated onto a single chip.

\*\* Sharp's GP1C331/GP1C331A/GP1C335 is recommended for optical fiber cable.

#### ■ Applications

- (1) DVD players
- (2) CD players
- (3) MD players

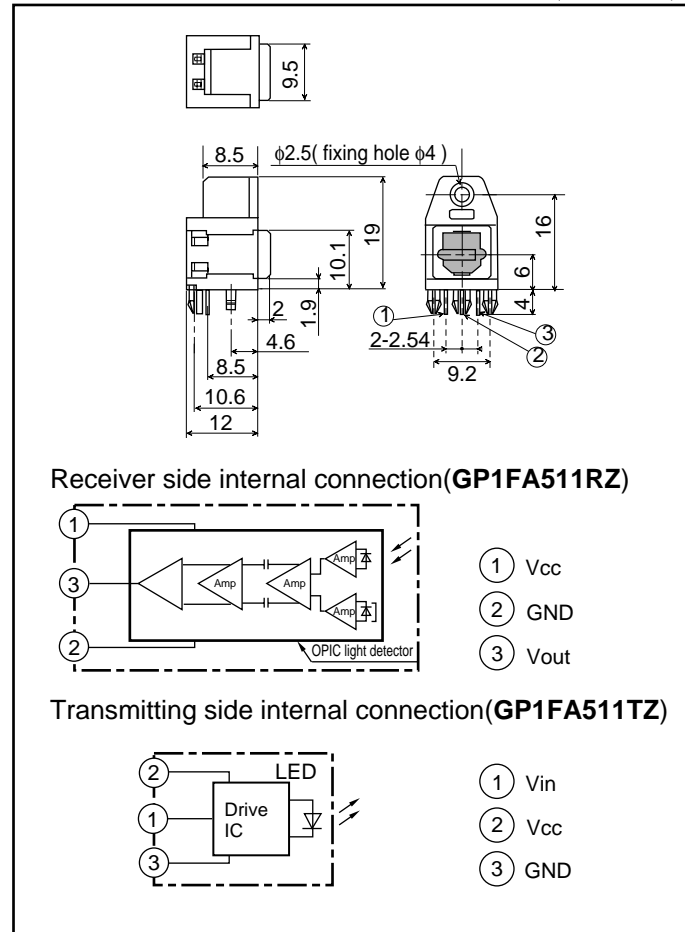
#### ■ Specifications

Parameter	Symbol	GP1FA511TZ(transmitter)	GP1FA511RZ(receiver)
Supply voltage	Vcc	4.75 to 5.25 V	
Supply current	Icc	MAX. 10 mA	MAX. 40 mA
Output optical power couple into fiber	Pc	MIN. -21 dBm	-
Receiver input optical power level	Pc	-	MIN. -24 dBm
Jitter	$\Delta t_j$	TYP. 1ns	
Operating transfer rate	T	MAX. 8 Mbps (NRZ signal, duty 50%)	
Operating temperature	Topr	-20 to +70°C	

(Ta=25°C)

#### ■ Outline Dimensions

(Unit : mm)



As of September, 2001

(Notice)

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(Internet)

- Data for Sharp's optoelectronic/power devices is provided on internet. ( Address <http://sharp-world.com/ecg/>)

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    - Alarm equipment
    - Various safety devices, etc.
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