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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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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

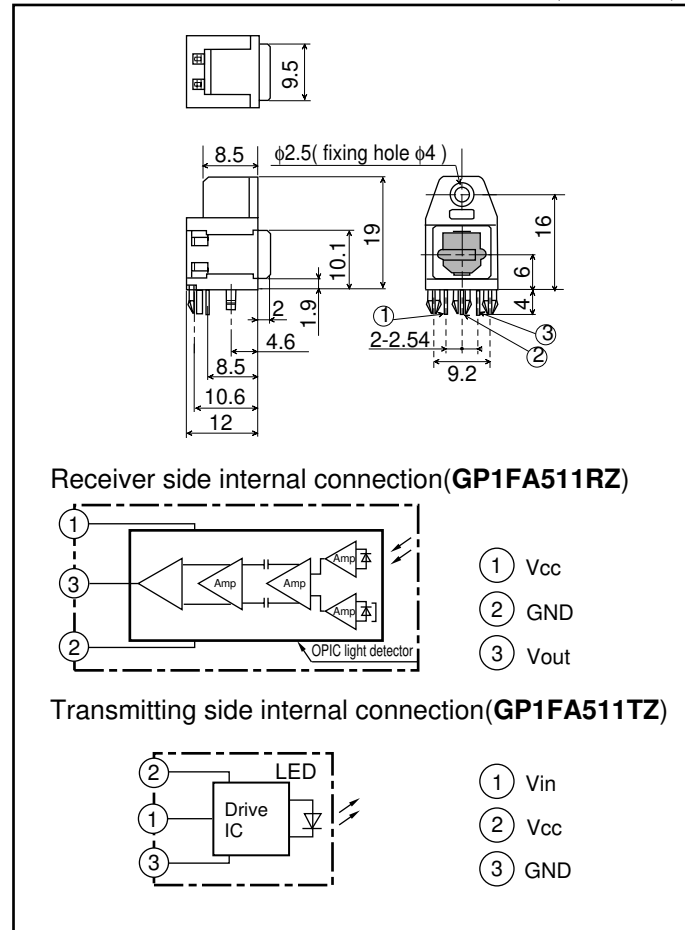
■ Specifications

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	Δt_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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- Specifications are subject to change without notice for improvement.

(Internet)

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

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 - Office automation equipment
 - Telecommunication equipment [terminal]
 - Test and measurement equipment
 - Industrial control
 - Audio visual equipment
 - Consumer electronics
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 - Traffic signals
 - Gas leakage sensor breakers
 - Alarm equipment
 - Various safety devices, etc.
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