

Under development	
New product	●

GP1FA350TZ/GP1FA350RZ

Fiber Optic Transmitter/Receiver

Low Voltage Operation Fiber Optic Transmitter/Receiver

Outline Dimensions

(Unit: mm)

Features

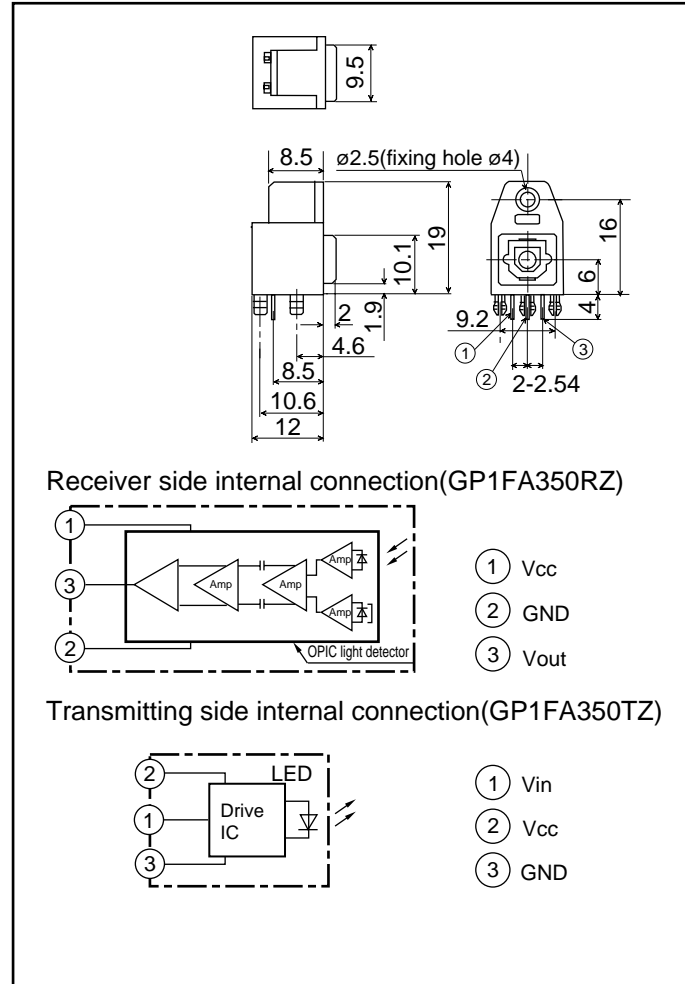
- (1) Low voltage operation
(Vcc:2.7 to 3.6V)
- (2) Low dissipation current
- (3) Unidirectional signal transmission for plastic fiber-optic cables
- (4) The optical receiver can be directly connected with the TTL, due to the use of OPIC.

Applications

- (1) DVD players
- (2) STB/BS,CS tuners
- (3) Digital audio equipment
- (4) Personal computers

* OPIC is a trademark of SHARP Corporation. An OPIC consists of a light-detecting element and signal-processing circuit integrated onto a single chip.

* For fiber-optic cables, use our **GP1C331/GP1C331A/GP1C335** cables.



Specifications

(Ta=25°C)

Parameter	Symbol	GP1FA350TZ (transmitter side)	GP1FA350RZ (receiver side)
Supply voltage	Vcc	2.7 to 3.6 V	
Dissipation current	Icc	MAX. 12mA	TYP. 15mA
Fiber coupling light output	Pc	MIN. -21dBm	-
Reception photoelectric power	Pc	-	MIN. -27dBm
Jitter	tj	TYP. 1ns	
Operating transmission speed	T	MAX. 8Mbps (NRZ signal, 50% duty cycle)	
Operating temperature	Topr	-20 to +70°C	

(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://www.sharp.co.jp/ecg/>)

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 - Alarm equipment
 - Various safety devices, etc.
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