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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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Under development	
New product	●

GP1FD210TP/GP1FD310TP

Fiber Optic Transmitter

Low voltage Operation Optical Mini-jack for Digital Audio

■ Features

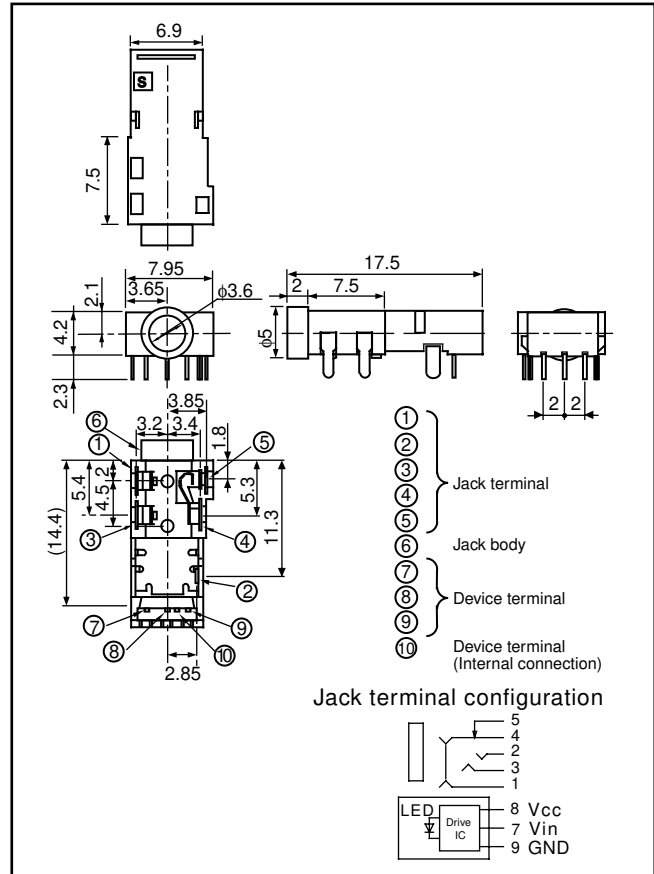
- (1) Compact (adoption of compact jack for mini plug) JIS C 6560
- (2) Optical digital signal and electric analog signal can be discriminated and transmitted.
- (3) High speed data transmission
Signal transmission speed: MAX. 8Mbps (NRZ signal)
- (4) Low voltage operation
GP1FD210TP : $V_{cc}=2.3$ to $2.8V$
GP1FD310TP : $V_{cc}=2.7$ to $3.6 V$

■ Applications

- (1) MD players
- (2) Portable CD players

■ Outline Dimensions

(Unit: mm)



■ Specifications

($T_a=25^\circ C$)

Parameter	Symbol	Ratings	
		GP1FD210TP	GP1FD310TP
Operating voltage	V_{cc}	2.3 to 2.8 V	2.7 to 3.6 V
Dissipation current	I_{cc}	MAX. 10 mA	MAX. 12 mA
Peak emission wavelength	λ_p	TYP. 660 nm	
Fiber coupling light output	P_c	MIN. -21 dBm	
Operation transfer rate	T	MAX. 8 Mbps	
Jitter	Δt_j	TYP. 1 ns	
Operating temperature	T_{opr}	-20 to +70 °C	

As of September, 2001

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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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