

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 $2.8V$

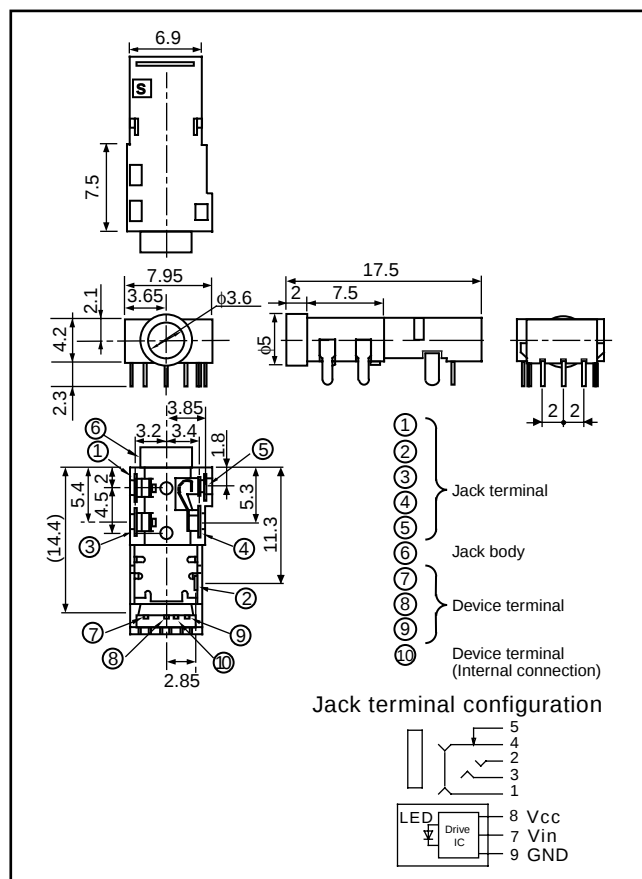
GP1FD310TP : $V_{CC}=2.7$ to $3.6 V$

■ Applications

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

■ Outline Dimensions

(Unit: mm)



■ Specifications

($T_a=25^{\circ}C$)

Paramter	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 emisson wavelength	λ_p	TYP. 660 nm	
Fiber coupling light output	P_c	MIN. -21 dBm	
Operatin transfer tate	T	MAX. 8 Mbps	
Jitter	Δt_j	TYP. 1 ns	
Operating temperature	T_{opr}	-20 to +70 $^{\circ}C$	

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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