

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

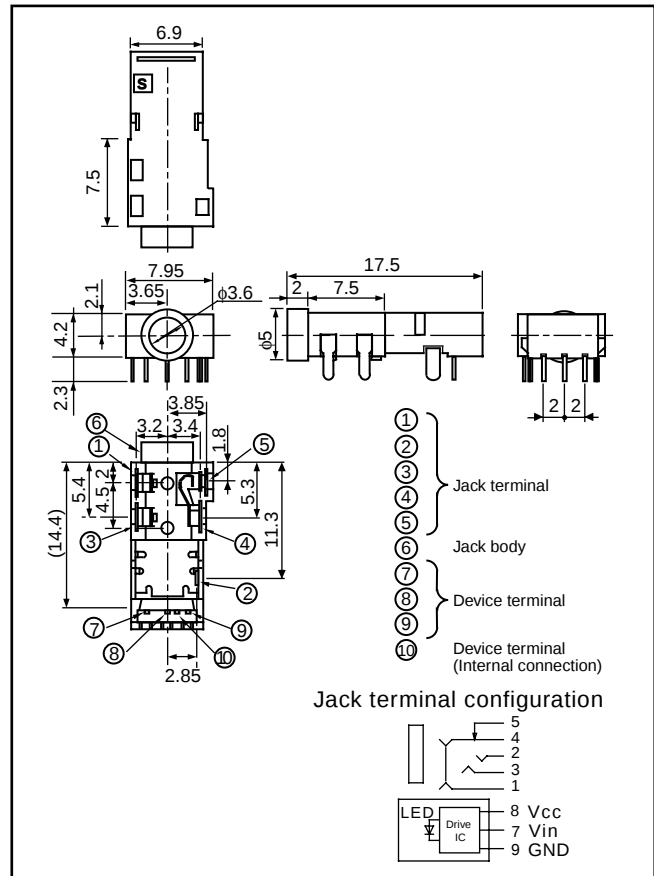
GP1FD310TP : V_{CC}=2.7 to 3.6 V

■ Applications

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

■ Outline Dimensions

(Unit: mm)



■ Specifications

(Ta=25°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 °C	

As of September, 2001

(Notice)

•In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.

•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/>)