SHARP

GP1FD210TP/GP1FD310TP

New product
Fiber Optic Transmitter

Under development

Low voltage Operation Optical Mini-jack for Digital Audio

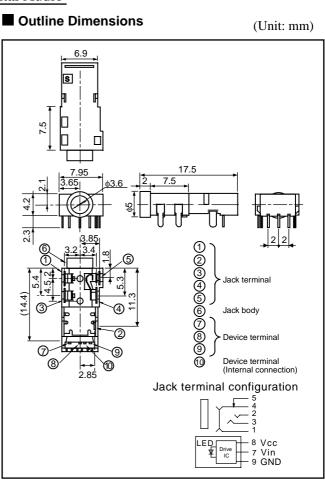
Features

- (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 transmissionSignal transmission speed: MAX. 8Mbps (NRZ signal)
- (4) Low voltage operationGP1FD210TP : Vcc=2.3 to 2.8VGP1FD310TP : Vcc=2.7 to 3.6 V

Applications

(1) MD players

(2) Portable CD players



Specifications

promotione			(Ta=25°C)
Paramter	Symbol	Ratings	
		GP1FD210TP	GP1FD310TP
Operating voltage	Vcc	2.3 to 2.8 V	2.7 to 3.6 V
Dissipation current	Icc	MAX. 10 mA	MAX. 12 mA
Peak emisson wavelength	λp	TYP. 660 nm	
Fiber coupling light output	Pc	MIN21 dBm	
Operatin transfer tate	Т	MAX. 8 Mbps	
Jitter	Δt_j	TYP. 1 ns	
Operating temperature	Topr	-20 to +70 °C	

As of September, 2001

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⁽Internet)

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