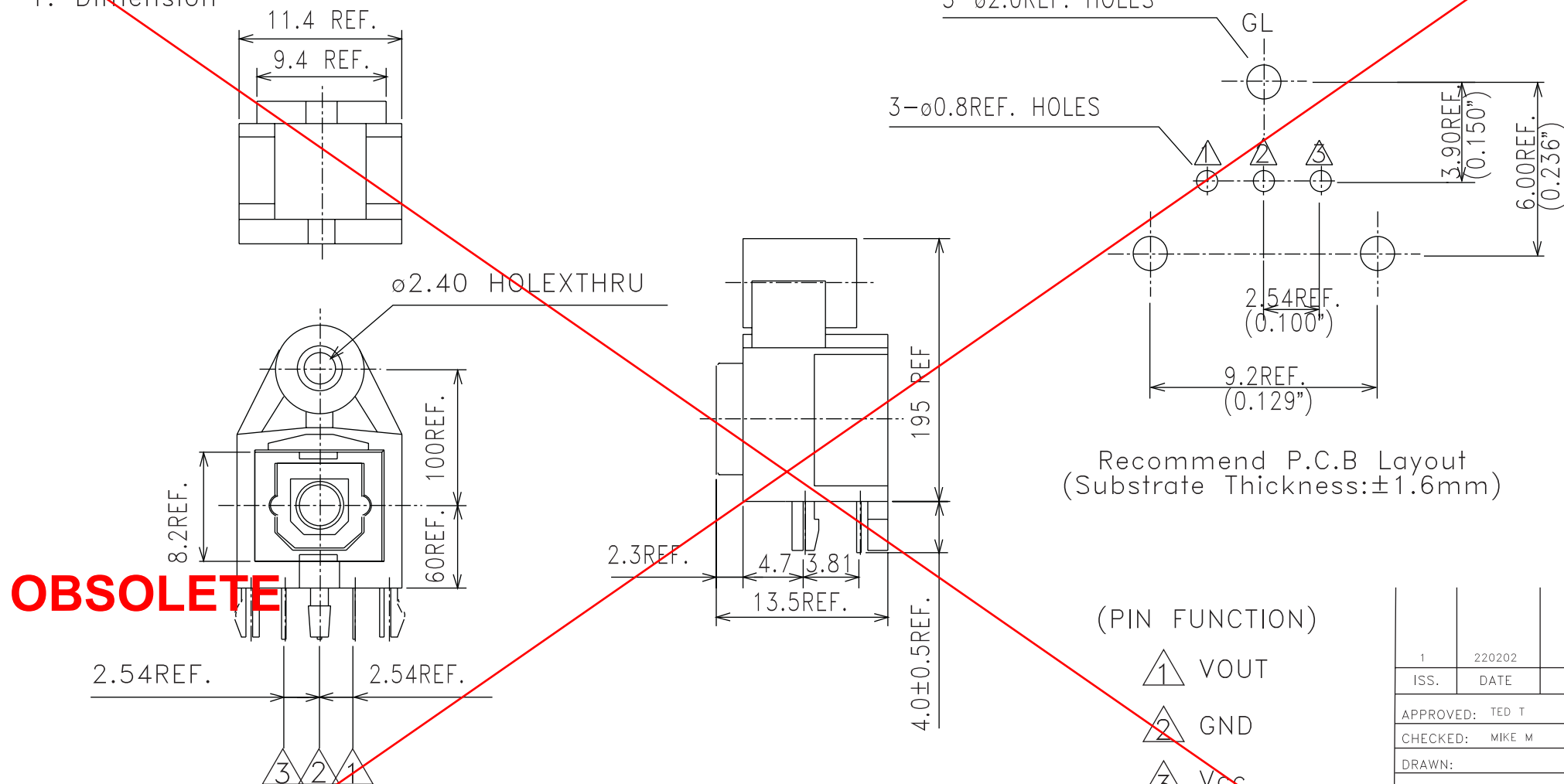


1. Dimension

**OBSOLETE**

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TOLERANCES

- X = ± 1 mm
- XX = ± 0.25 mm
- XXX = ± 0.10 mm
- XXXX = ± 0.01 mm
- ANGLES = $^\circ$
- UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE:

STANDARD SIZE TOSLINK R/A
PCB MOUNT TRANSMITTER

DRAWING NUMBER:

TLT-1000006

SHT
1
OF
1HARWIN INC
U.S.A.TEL: (812)542 2546
FAX: (812)542 2541HARWIN PLC
U.K.TEL: 023 9237 0451
FAX: 023 9231 4590HARWIN PTE LTD
SINGAPORETEL: 65 6779 4909
FAX: 65 6779 3868

(2)FEATURES

CONFORM TO EIAJ STANDARD CP-1201.
(FOR DIGITAL AUDIO INTERFACES INCLUDING FIBER OPTIC INTER-CONNECTORS).
HIGH SPEED SIGNAL RECEIVING.
(6.8 Mbps,NRZ SIGNAL)
+5V SINGLE POWER SUPPLY.

2-1. DESCRIPTION

THE LIGHT RECEIVING UNIT IS ASSEMBLED WITH CONNECTOR AND OPTO-ELECTRIC COMPONENT PACKAGED WITH A LED AND DRIVE IC.
THE FUNCTION OF UNIT CHANGES THE ELECTRIC LIGHT INTO ELETRIC SIGNAL.
THE UNIT HAS HIGH PERFORMANCE AT LOW DISSIPATION CURRENT STEADY LIGHT INPUT AND EFFICIENT LIGHT COUPLING.

2-2. APPLICATIONS

AUDIO EQUIPMENT
AUTOMOBILE
DVD PLAYER

1	220202	-
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CHECKED: MIKE M		
DRAWN:		
CUSTOMER REF:		
ASSEMBLY DRG:		

HARWIN Interconnect Design & Manufacture			THIS INFORMATION AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.			
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TEL: (812)542 2546 FAX: (812)542 2541		TEL: 023 9237 0451 FAX: 023 9231 4590		TEL: 65 6779 4909 FAX: 65 6779 3868		
TOLERANCES X = ±1mm XX = ±0.25mm XXX = ±0.10mm XXXX = ±0.01mm ANGLES = 1° UNLESS STATED			MATERIAL: SEE ABOVE		TITLE: STANDARD SIZE TOSLINK R/A PCB MOUNT TRANSMITTER	
FINISH: SEE ABOVE S/AREA: mm²			DRAWING NUMBER: TLT-1000006			SHT 1 OF 1

(3) Absolute Maximum Ratings (TA=25°C)

Parameter	Symbol	Rating	Unit
Supply Voltage	Vcc	−0.5 to 7	V
DC input Voltage	Vin	−0.5 to Vcc+0.5	V
Power Dissipation	P	120	mF
Storage Temperature	Tstg	−40 to 70	°C
Operating Temperature	Topr	−20 to 70	°C
Soldering Temperature	Tsol	260	°C

Note: Soldering time <10 Seconds

3−1. ELECTRO−OPTICAL CHARACTERISTICS

Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Operating Voltage	Vcc		4.75	5.00	5.25	V
Peak Emission Wavelength	NP		640	660	670	nm
Transmission Speed		NRZ signal	DC	−	6	Mb/s
Transmission Distance		Using APF	0.2	−	5	m
Pulse Width Distortion	?TW	6Mbps NRZ Signal	−25	−	25	ns
Dissipation Current	Icc	Measuring method Refer *1	−21	−17	−15	dBm
High Level Input Voltage	VIH		2	−	−	V
Low Level Input Voltage	VIL		−	−	0.8	V
Rise Time	tr	Measuring method Refer *3		45	50	ns
Fall Time	tf	Measuring method Refer *3		25	40	ns

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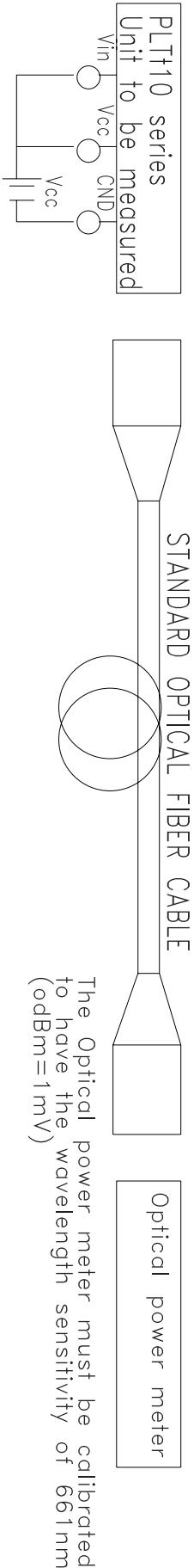
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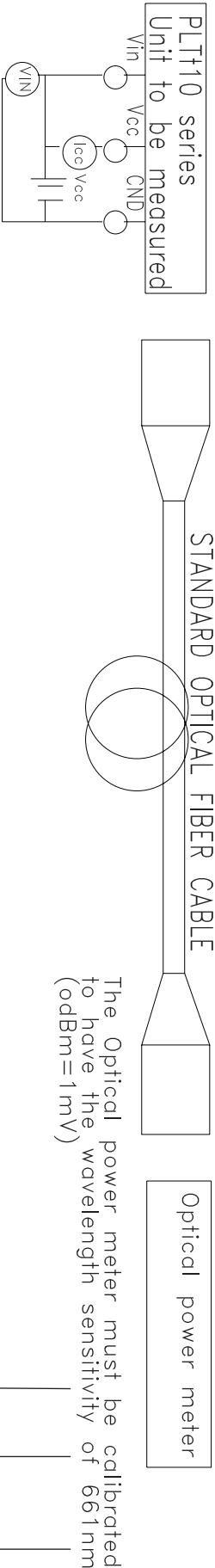
TITLE: STANDARD SIZE TOSLINK R/A PCB MOUNT TRANSMITTER	DRAWING NUMBER: TLT−1000006	SHT 1 OF 1
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3—2 Measuring Method

*1 Measuring methof of optical coupling fiber



*2 Input voltage/power dissipation measuring method



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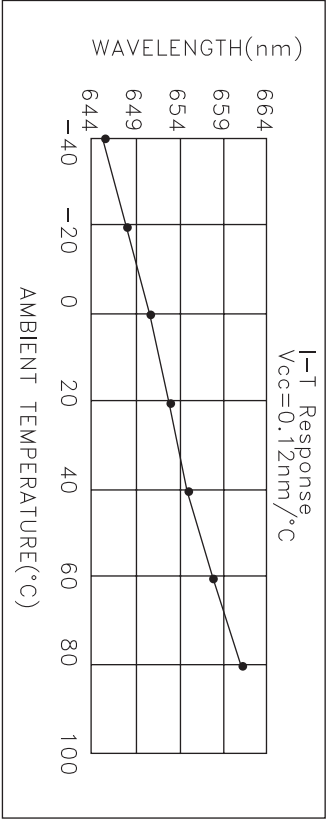
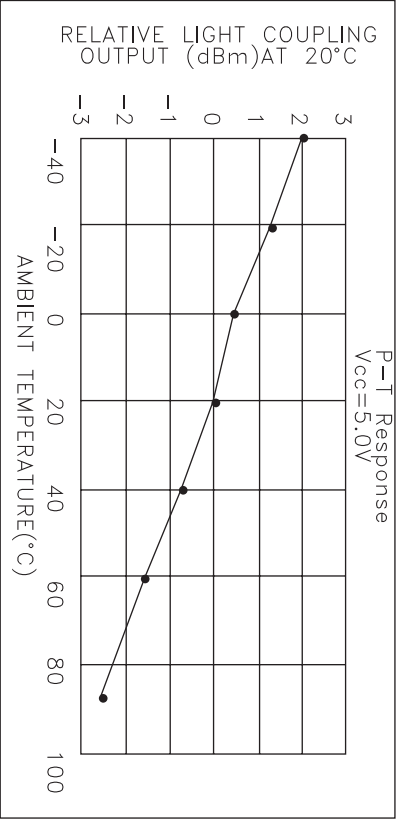
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(6) TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES





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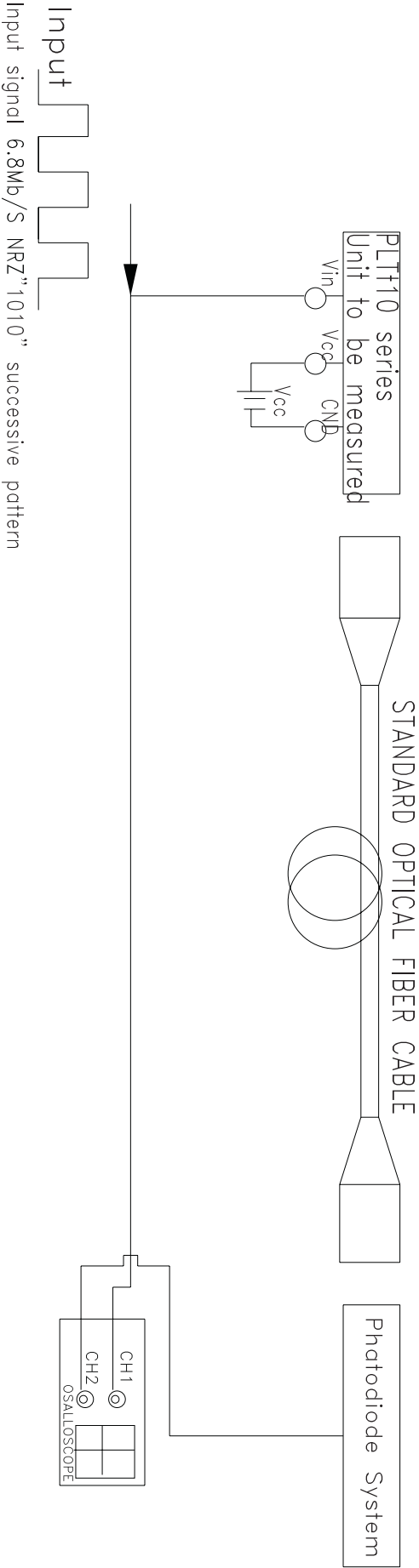
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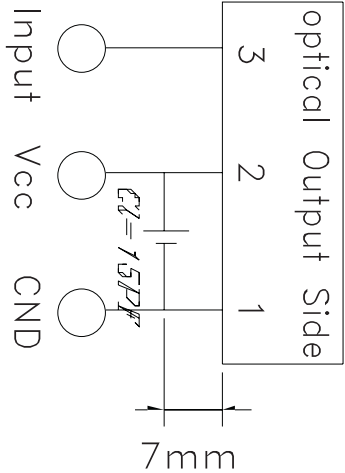
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CHECKED: MIKE M		
DRAWN:		
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*3 Pulse response measuring method



(4) USING METHOD



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