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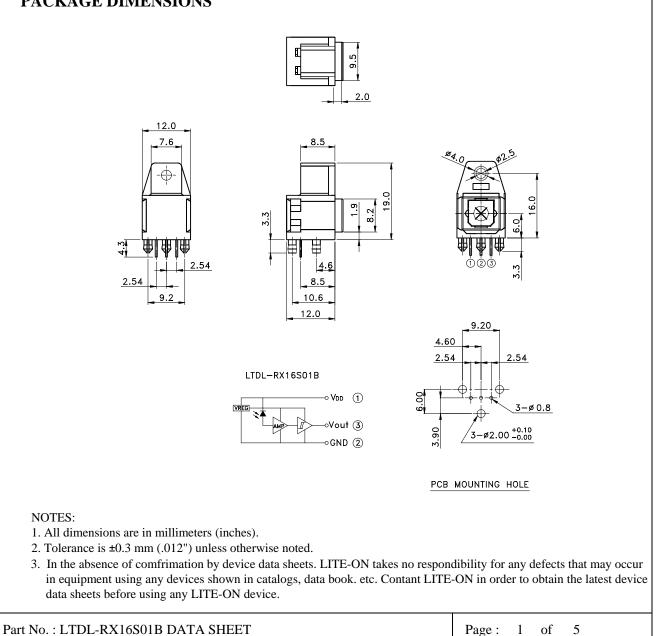
FEATURES

- * High speed transmission (16 Mbps, NRZ code)
- * TTL compatible
- * Same package as fiber optic transmiting module LTDL-TX12S01B

APPLICATIONS

- * Digital audio system
- * CD, MD & DVD players

PACKAGE DIMENSIONS



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ELECTRO - OPTICAL CHARACTERISTICS

ABSOLUTE MAXIMUM RATINGS AT Ta=25

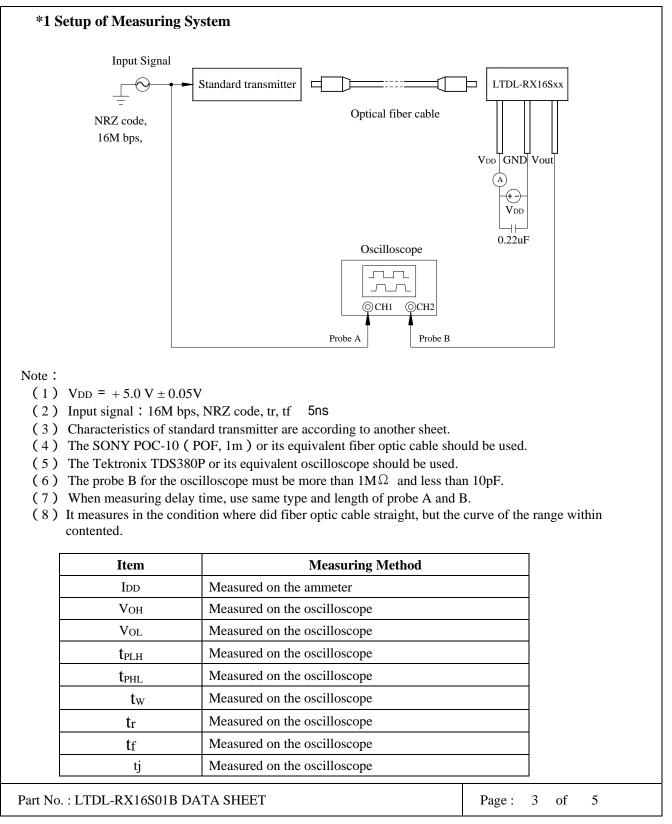
PARAMETER	MAXIMUM RATING	UNIT	
Supply Voltage (VDD)	-0.5 ~ +6.0	V	
Output Voltage (Vo)	-0.5 ~ VDD + 0.3	V	
Operating Temperature Range	-20 to + 70		
Storage Temperature Range	-30 to + 80		
Lead Soldering Temperature [1.6mm(.063") From Body]	260 for 5 Seconds		

ELECTRICAL OPTICAL CHARACTERISTICS AT Ta=25

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Data Rate	Ts	0.1	-	16	Mbps	NRZ signal
Operating Voltage	VDD	4.75	-	5.25	V	
Peak Sensitivity Wavelength	Peak	-	650	-	nm	
Input Sensitivity	Pi	-24	-	-14	dBm	
Dissipation current	Idd	-	4	6	mA	*1
High level output voltage	Vон	2.4	4.8	-	V	*1
Low level output voltage	Vol	-	0.2	0.4	V	*1
"Low \rightarrow High" propagation delay time	t _{PLH}	-	-	166	ns	*1
"High \rightarrow Low" propagation delay time	t _{PHL}	-	-	155	ns	
Pulse width distortion	tw	-18	-	+18	ns	
Jitter	tj	-	1	5	ns	*1
Rise Time	tr	-	8	20	ns	*1
Fall Time	tf	-	8	20	ns	*1

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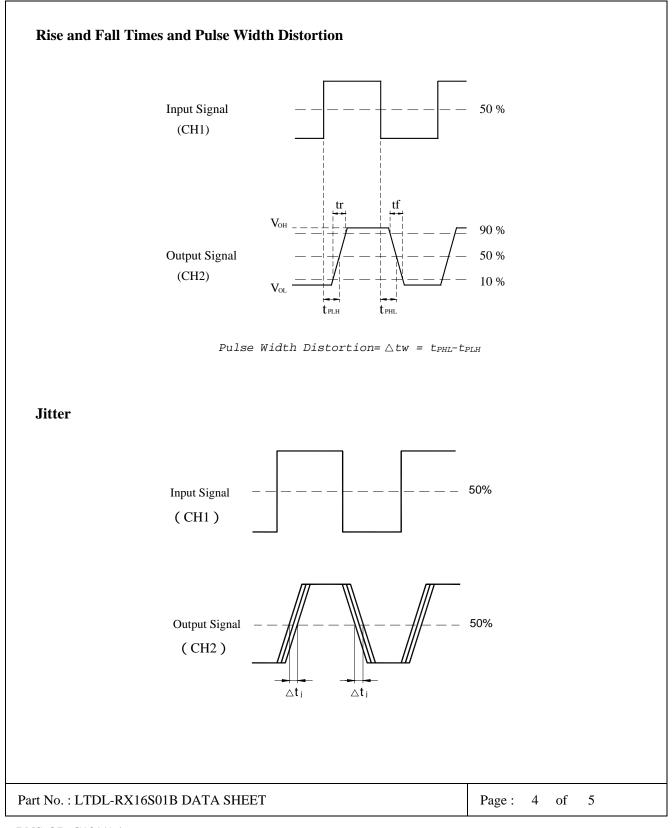
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 - --- Office automation equipment
 - --- Telecommunication equipment [terminal]
 - --- Test and measurement equipment
 - --- Industrial control
 - --- Audio visual equipment
 - --- Consumer electronics
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 - --- Traffic signals
 - --- Gas leakage sensor breakers
 - --- Alarm equipment
 - --- Various safety devices, etc.

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Part No. : LTDL-RX16S01B DATA SHEET

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