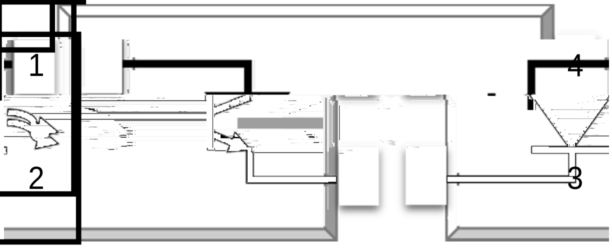
De$cri%tion

Feat&re$

A%%lication$

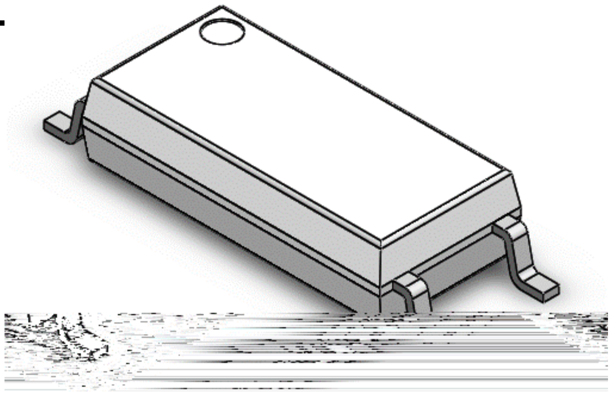
SCHEMATIC



PIN DEFINITION

1. Anode
2. Cathode
3. Emitter
4. Collector

PAC A!E O"T#INE



A'SO#'TE MA(IM"M)ATIN!S

Note 1. 100μs pulse, 100 ! "#e$uenc%

Note 2. A& 'o# 1 ( )nute, R. . * +0 , -0 .

E#ECT)ICA# O??ICA# CHA)ACTE)ISTICS at Ta*2+,C

Note /. ')0.1211/

Note +. ')0.1+

CHA)ACTE)ISTIC C")-ES

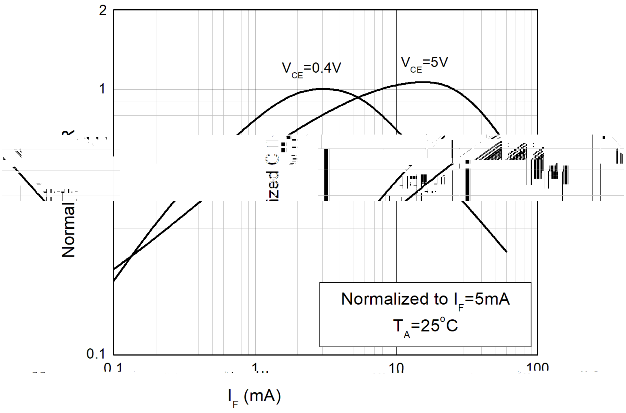
Fi..1 For/ard C&rrent 0$. Am1ient Tem%erat&re	Fi..2 Collector Po/er Di$$i%ation 0$. Am1ient Tem%erat&re
Fi..3 For/ard C&rrent 0$. For/ard -olta.e	Fi..4 Collector Dar2 C&rrent 0$. Am1ient Tem%erat&re

Fi..+ Collector C&rrent
0$. Collector3emitter -olta.e

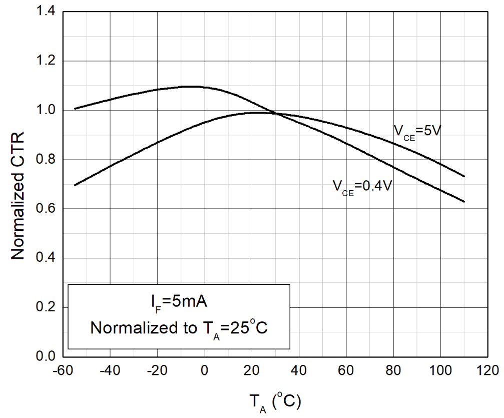
Fi..4 Collector C&rrent

CHA)ACTE)ISTIC C")-ES

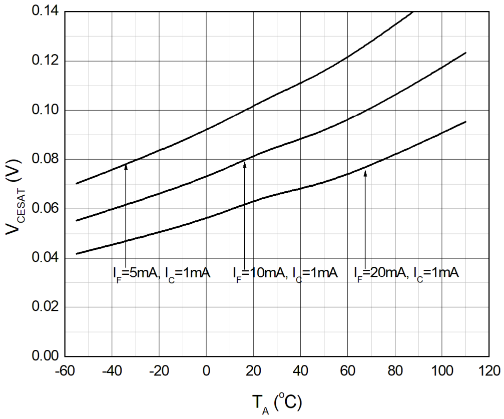
Fi..5 Normali6ed C&rrent Tran$7er)atio 0$. For/ard C&rrent



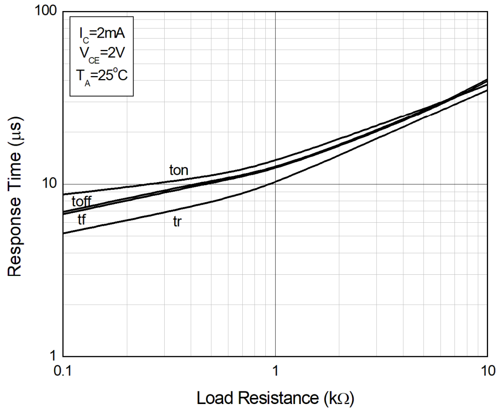
Fi..8 Normali6ed C&rrent Tran$7er)atio 0$. Am1ient Tem%erat&re



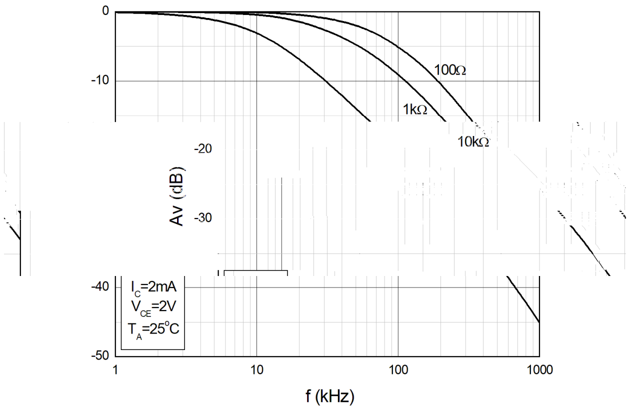
Fi..9 Collector3emitter Sat&ration -olta.e 0$. Am1ient Tem%erat&re



Fi..1: S/itchin. Time 0$. #oad)e$i$tance



Fi..11 Fre;&enc<)e$%on$e



TEST CIRCUITS

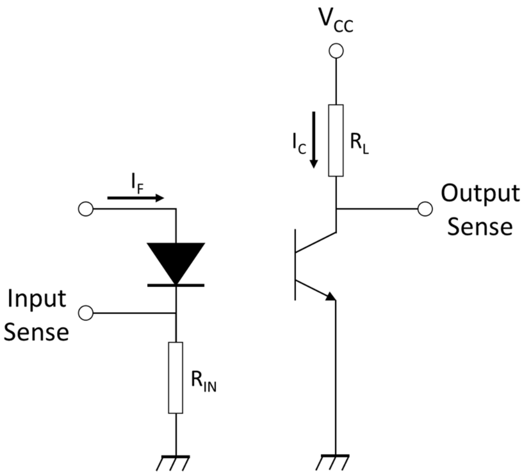
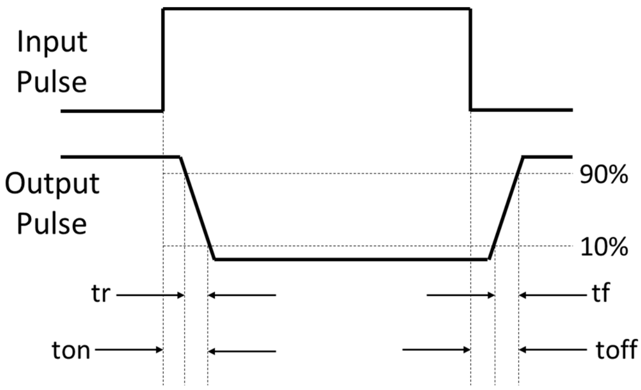
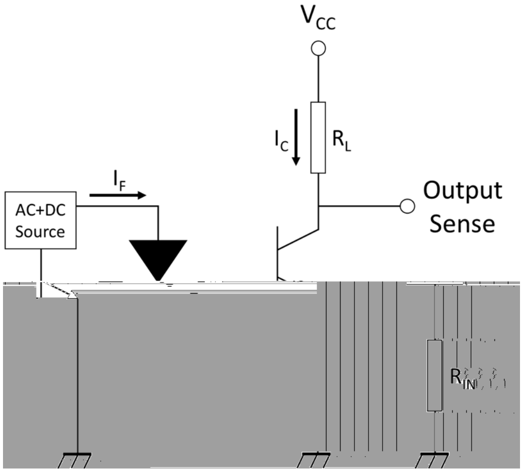
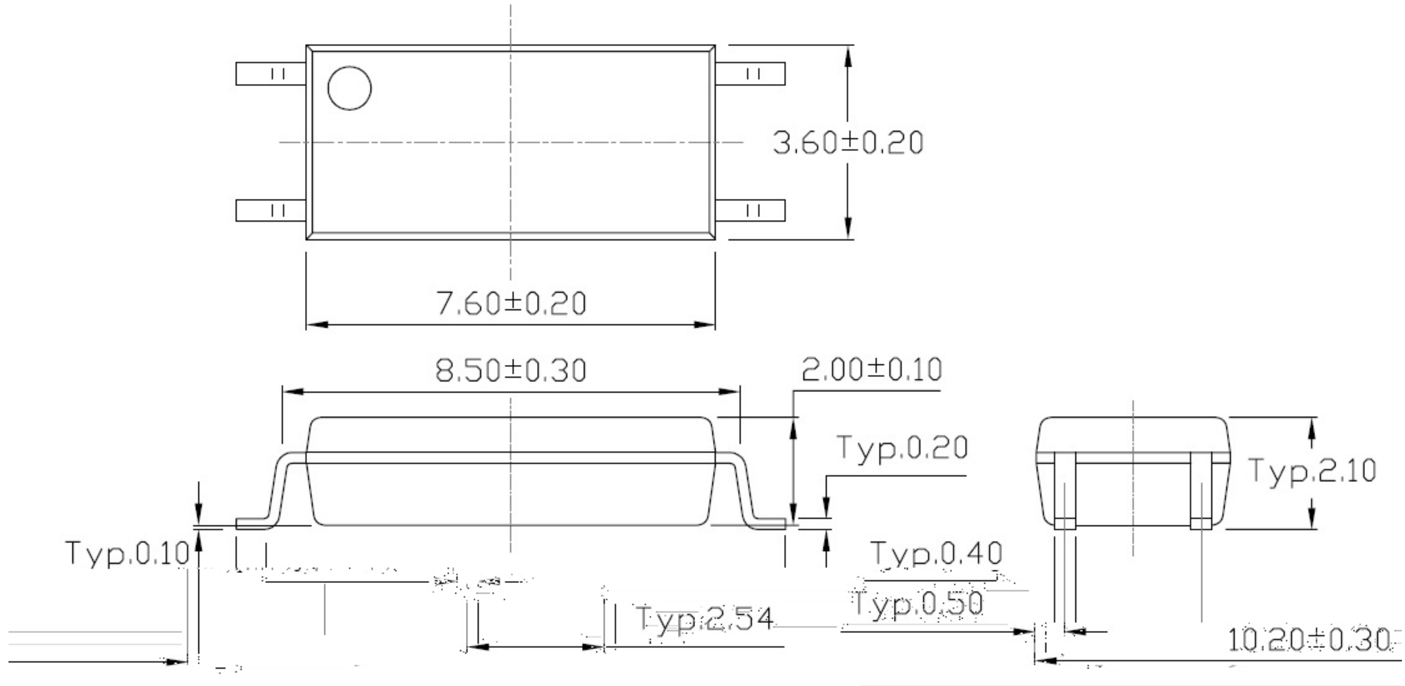
Fig.12 Test Circuits of Response Time	Fig.13 Curves of Response Time
 V_{CC} I_C R_L I_F Output Sense Input Sense R_{IN}	 Input Pulse Output Pulse 90% 10% tr tf ton toff

Fig.14 Test Circuits of Frequency Response

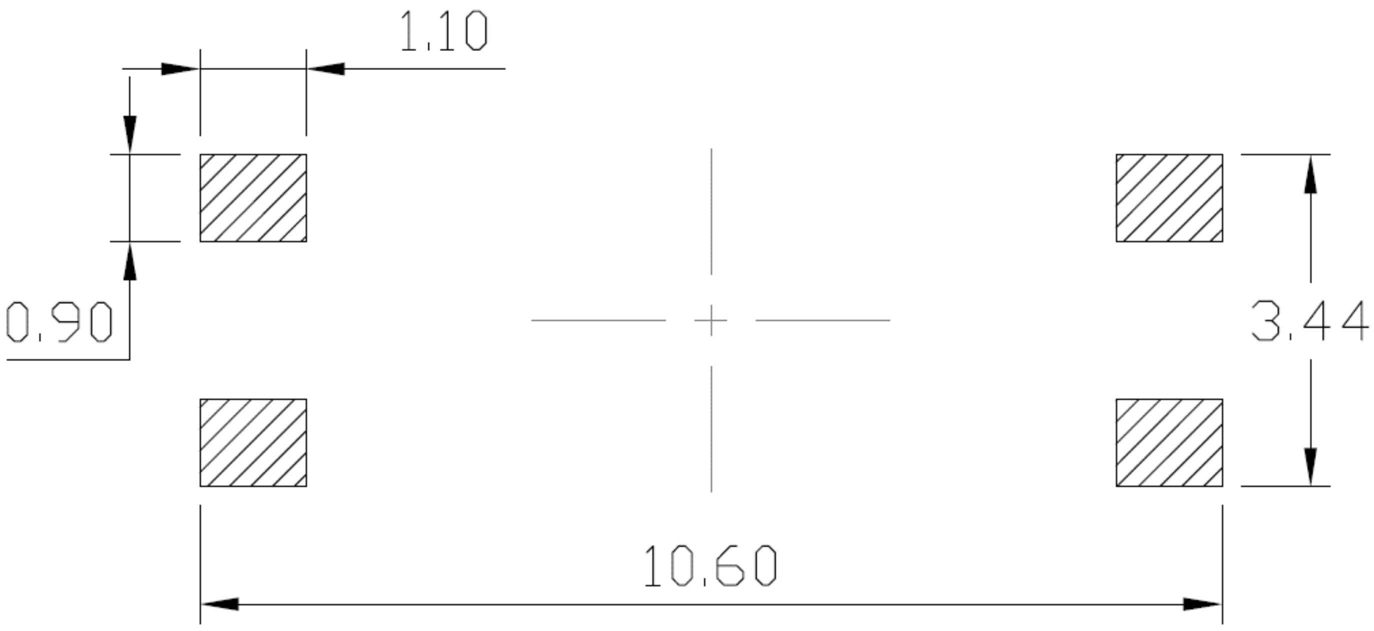


V_CC
I_C
R_L
I_F
AC+DC Source
Output Sense
R_IN

PACKAGE DIMENSIONS (Dimensions in mm unless otherwise stated)

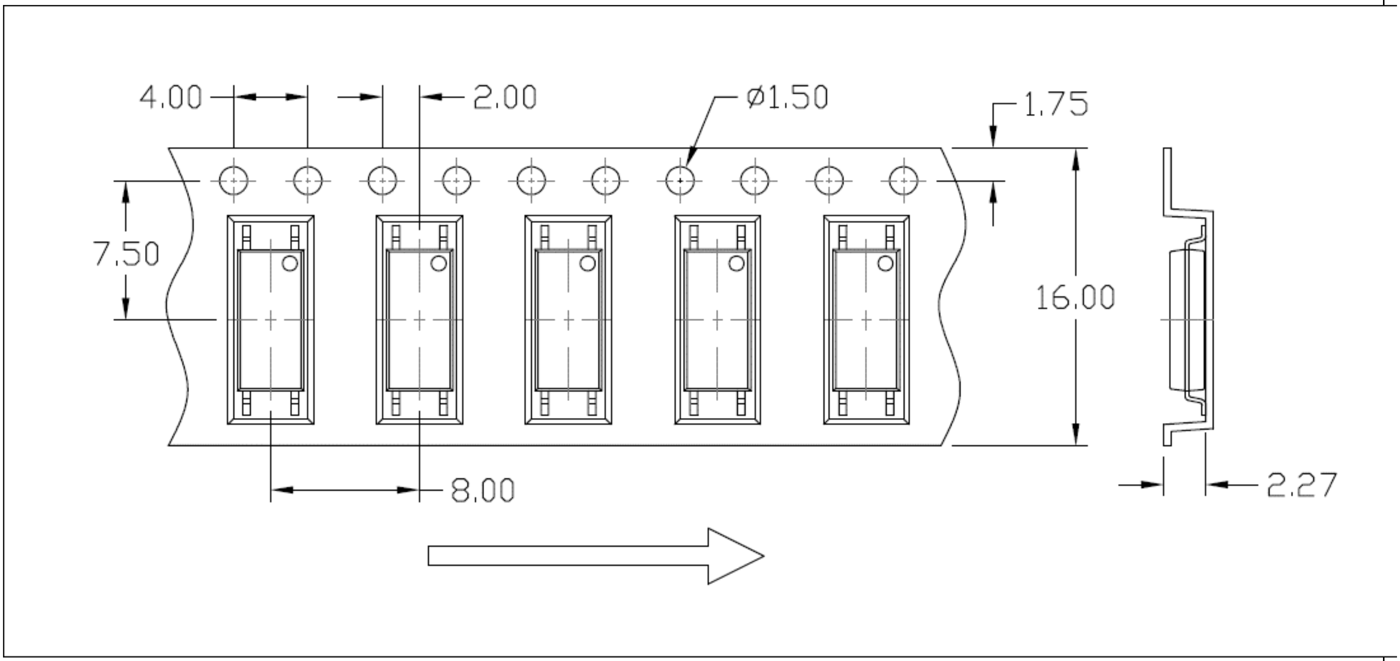

3.60±0.20
7.60±0.20
8.50±0.30
2.00±0.10
Typ.0.20
Typ.2.10
Typ.0.10
Typ.0.40
Typ.0.50
Typ.2.54
10.20±0.30

RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

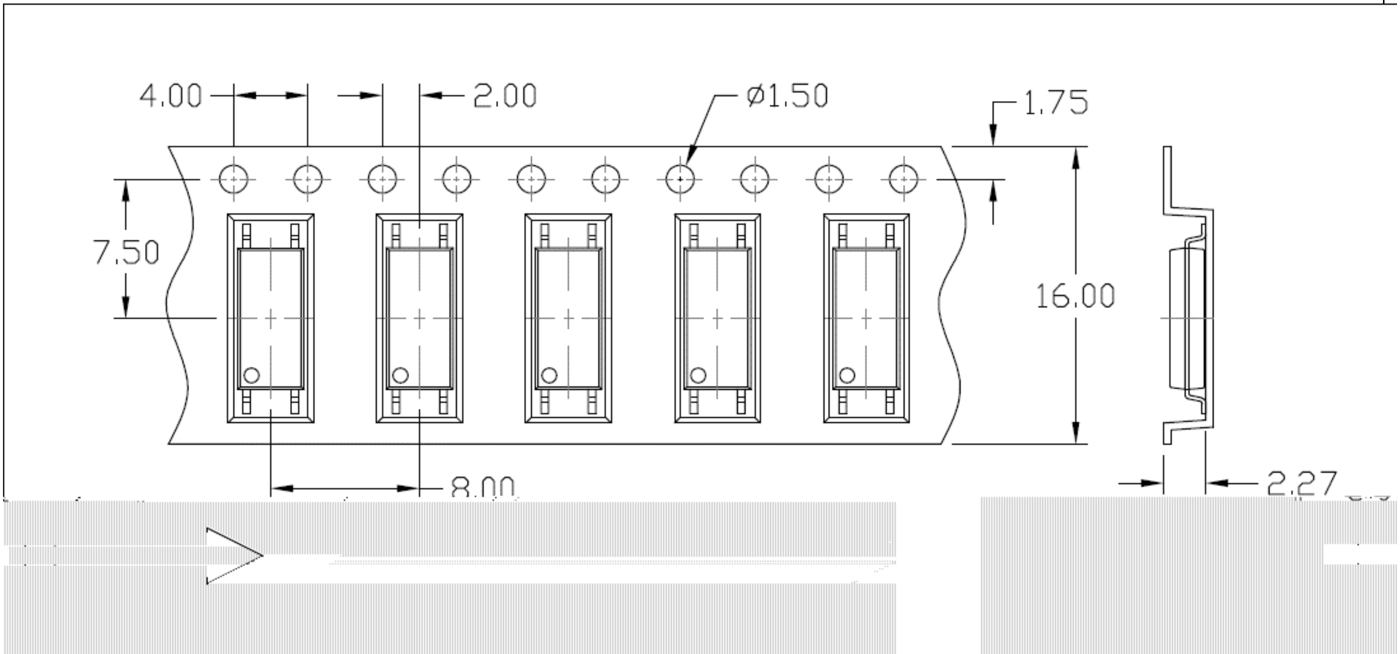

1.10
0.90
3.44
10.60

CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

Option T1

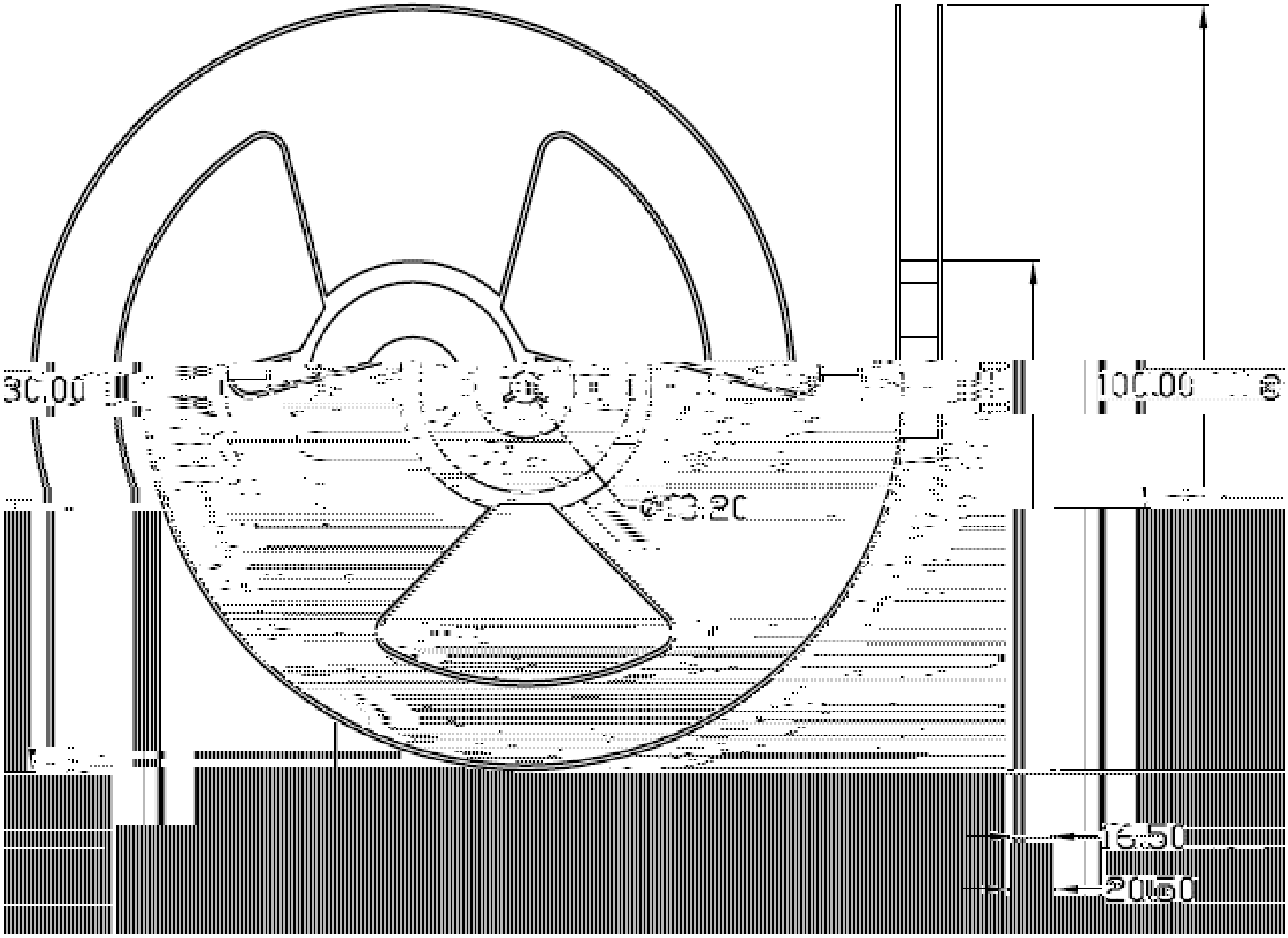

4.00
2.00
Ø1.50
1.75
7.50
16.00
8.00
2.27

Option T2


4.00
2.00
Ø1.50
1.75
7.50
16.00
8.00
2.27

) EE# SPECIFICATIONS (Dimenion in mm &nle$$ other / i$e $tated=

O%tion T1 > T2


30.00
100.00
Ø13.20
16.50
20.50

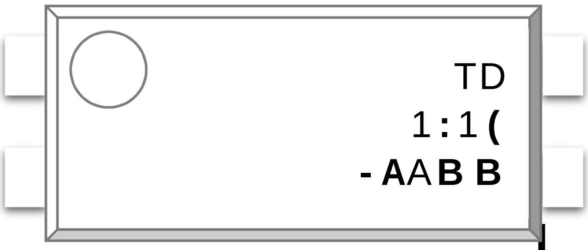
' O (SPECIFICATIONS ( ) eel T<%e=

Inner ' o?

2 3 W 3 * / - cm 3 / - cm 3 - .9cm

O)DE)IN! AND MA) IN! INFO)MATION

MA) IN! INFO)MATION

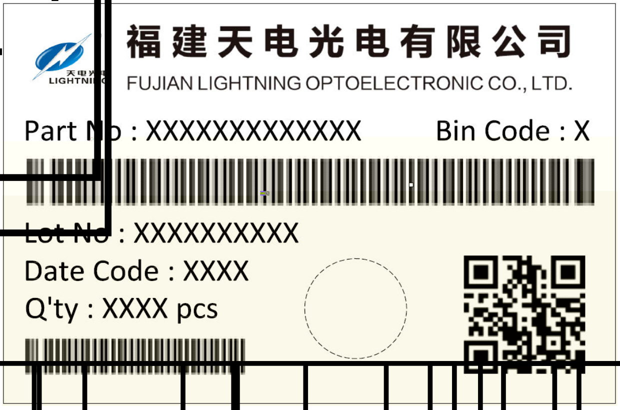


TD	@ Com%an< A11r.
1:1(	@ Part N&m1er >)an2
-	@ -DE O%tion
A	@ Fi$cal Aear
A	@ Man&7act&rin. Code
B B	@ Bor2 Bee2

O)DE)IN! INFO)MATION

TD1:1(D3!-

#A'E# INFO)MATION


福建天电光电有限公司
FUJIAN LIGHTNING OPTOELECTRONIC CO., LTD.

Part No : XXXXXXXXXXXXX   Bin Code : X

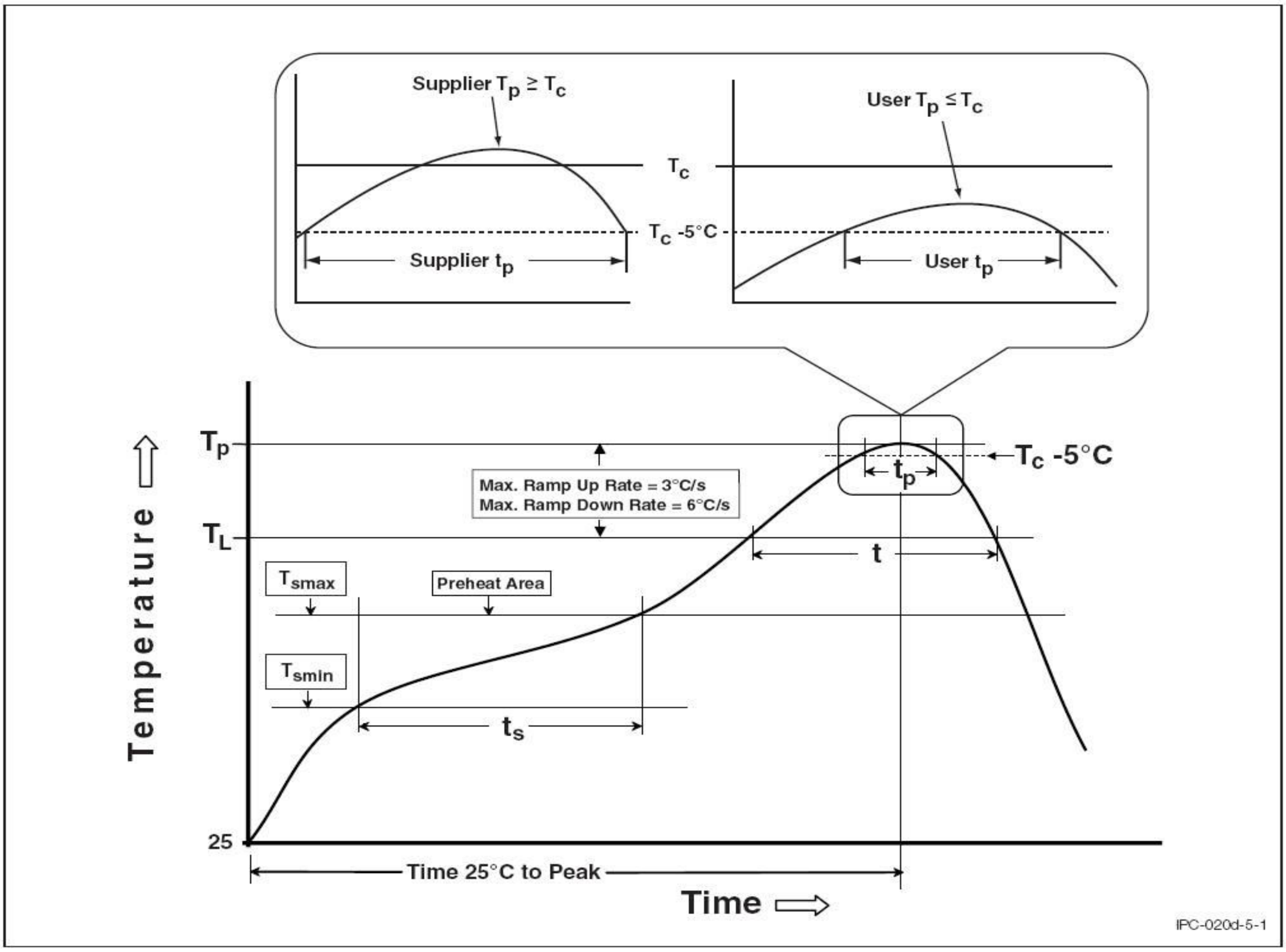
Lot No : XXXXXXXXXX
Date Code : XXXX
Q'ty : XXXX pcs

PAC N! E"ANTITA

O%tion	E&antit<	E&antit< F Inner 1o?	E&antit< F O&ter 1o?

)EF#OB INFO)MATION

)EF#OB P)OFI#E



Pro7ile Feat&re	Sn#P1 A$$em1l< Pro7ile	P13Free A$$em1l< Pro7ile
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[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
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DISCLAIMER