

SPECIFICATIONS

參考圖面

1. GENERAL

These specifications are applied to TBD562LR-3 as a low noise,high efficiency driver for AOU G150XG02 V0、 M170EG01 V9、 M170EG01 VD、 M190EG01 V0、 CHIMEI M190E5-L0E、 G154I1-L01。

2. INPUT CHARACTERISTICS

PARAMETER	SYMBOL	MIN.	NOM.	MAX.	UNIT	REMARKS
INPUT VOLTAGE	V _{in}	9.0	12.0	21.0	V	
INPUT CURRENT	I _{in}	-	-	2.60	A	V _{in} =9V Max. Brightness
INPUT POWER	P _{in}	-	-	31.2	W	V _{in} =9V Max. Brightness
INPUT VOLTAGE BRIGHTNESS CONTROL	PWM	30	-	100	%	30%: Min. Brightness 100%: Max. Brightness
INPUT CURRENT	I _{on/off}	-	0.3	0.5	mA	ON STATE
INPUT VOLTAGE ON/OFF CONTROL	V _{on/off}	2.5	3.3	5.5	V	ON STATE
		-	0.5	0.8		OFF STATE
ADIM INPUT	6.0mA	-	3.3	-	V	I _o Analog DIM 100%: Max. Brightness
	7.0mA	-	OPEN	-		
	8.0mA	-	GND	-		

3. OUTPUT CHARACTERISTICS

PARAMETER	SYMBOL	MIN.	NOM.	MAX.	UNIT	REMARKS
OUTPUT CURRENT LAMP ONE SIDE	I _o (max)	6.5	7.0	7.5	mA	V _{in} =9~21V, ADIM=OPEN V _{con} Singal:100%
OUTPUT CURRENT LAMP ONE SIDE	I _o (min)	2.5	3.0	3.5	mA	V _{in} =9~21V, ADIM=OPEN V _{con} Singal:30%
FREQUENCY	FL	45	55	65	KHz	V _{in} =9~21V Max. Brightness
DIM FREQUENCY	FLC	150	-	250	Hz	V _{in} =9~21V
OUTPUT OPEN VOLTAGE	V _s	1600	-	2000	V _{rms}	V _{on/off} =3.3V R _L =
I _o Asymmetry Rate	%	0	-	10	%	ADIM=OPEN Max. Brightness
I _o Distortion Rate		1.273	-	1.555	V _{rms}	ADIM=OPEN Max. Brightness

NOTE : 1. All conditions are at 25 ambient unless otherwise specified.
2. Because, the driving method of the inverter are high voltage in lamp's two sides. So the definition of the lamp current in the specification is the current of high voltage side.

REV	DATE	DESCRIPTION	DSGN.	APV.	TITLE	SPECIFICATIONS		
					MODEL	TBD562LR-3		
					DESIGNED	Linus CHOU	18 / 12 / '08	IDX CD B562T
					DRAWN	Linus CHOU	18 / 12 / '08	
					CHECKED		/ /	
					APPVD		/ /	
					APPVD		/ /	
TDK TAIWAN CORP.					DWG. NO.	DATE		PAGE
					4CA31B562T	/ /		1/3

4. GENERAL SPECIFICATIONS

參考圖面

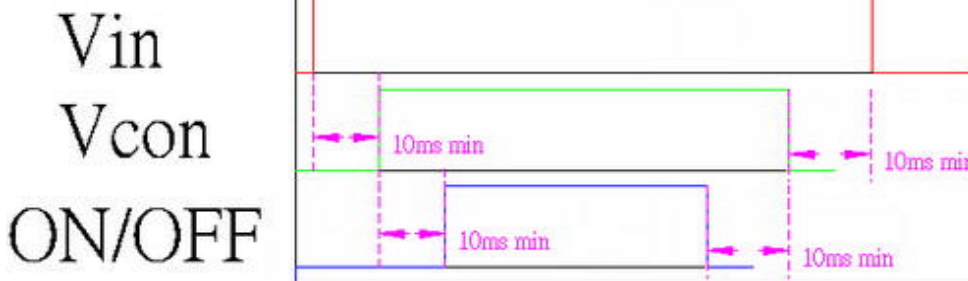
TEMPERATURE	Operating	:	-20	70
	Storage	:	-20	85
HUMIDITY	Operating	:	10%	95% RH, Without dewdrop.
	Storage	:	10%	95% RH, Without dewdrop.
DIMENSIONS	L×W×H	=	210(typ.)×30(typ.)×13.6(max.)	
WEIGHT	70 g/pc (Typ.)			

5. PIN ASSIGNMENTS

INPUT CONNECTOR (CN1) JST P/N : S7B-PH-SM4-TB(LF)(SN) or Equivalent

PIN NUMBER	FUNCTION
1	Vin
2	Vin
3	GND
4	GND
5	Von/Voff
6	Vcon
7	ADIM

Signal Timing



TYPE-A

OUTPUT CONNECTOR(CN2) JST P/N : SM02(8.0)B-BHS-1-TB(LF)(SN) or Equivalent

PIN NUMBER	FUNCTION
1	HV
2	LV

6. PRODUCT PLACES

TDK TAIWAN CORP.

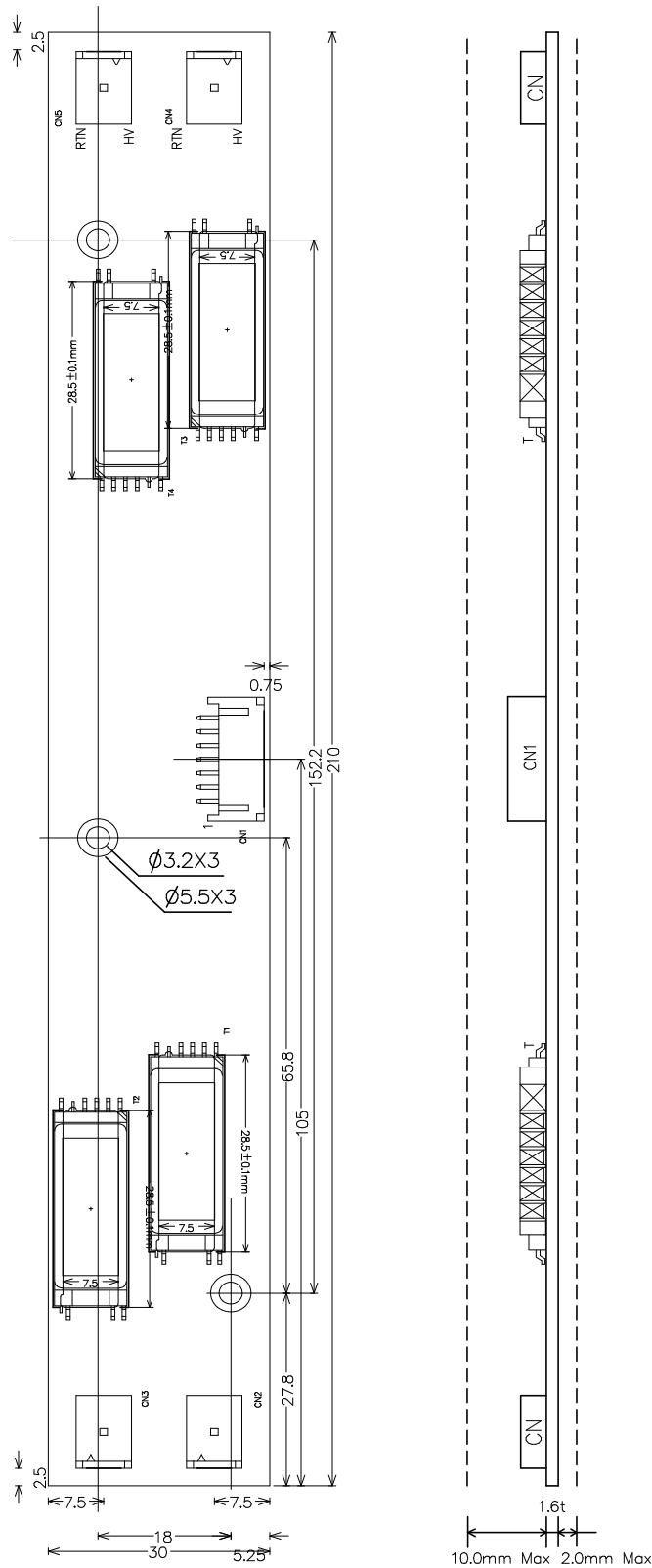
Factory : 159,sec.1 Chung Shan N.RD. Yangmei Taoyen, Taiwan R.O.C

TDK XIAMEN CORP.

Factory : 321~339 Tongji South Road, Jimei District, Xiamen, Fujian, P.R. China.

7. OUTLINE DIMENSIONS (UNIT:mm)

參考圖面



Note: Tolerance is ± 0.3 unless otherwise specified.