



捷胜科技液晶显示器（香港）有限公司
深圳捷胜伟业电子有限公司
专业的LCM供应商

SHEN ZHEN JICTECH LCD CO., LTD.

Product Specification For Backlight

Model NO. : MUL-14490

APPROVAL FOR SPECIFICATIONS ONLY

APPROVAL FOR SPECIFICATIONS AND SAMPLE

CUSTOMER:

APPROVED BY:

RIFDA LCM R&D CENTER

APPROVED BY

CHECKED BY

PREPARED BY

Luo Xian

ZL

一、 General Specification

1. Product Name: LED backlight.
2. Characteristic: High brightness and high uniformity.
3. ROHS requirement.

二、 Electrical-Optical Characteristics

项目 Item	符号 Symbol	最小值 MIN.	典型值 TYP.	最大值 MAX.	单位 Unit	测定条件(Ta=25°C) Condition
正向电压 Forward Voltage	Vf	1.9	2.0	2.2	V	Vf= 30 mA TEST INSTRUMENT 测定仪器: BM-7
主波长 Dominant Wave Length	λD	588		595	nm	
亮度 Luminance	Lv		54		cd/m ²	
均匀度 Uniformity	Avg	75			%	
反向电流 Reverse Current (Per LED)	Ir			10	μA	Vr= 5 V/LED

三、 Absolute Maximum Ratings

Item 项目	Symbol 符号	Rating 额定值	Unit 单位
Absolute maximum forward current 最大工作电流	IFm	30	mA
Reverse Voltage 反向电压	Vr	5	V
Power dissipation 极限功耗	Pd	60	mW
Operating Temperature 工作温度	Topr	-30~+70	° C
Storage Temperature 保存温度	Tstg	-40~+80	° C
Soldering temperature (≤ 3 Sec) 焊接温度(≤ 3 秒)	Tst	310 \pm 5	° C

四、 Reliability:

NO	Test Item	Content	Standard
1	High Temperature Storage	Tstg= +60°C/96H	1. Slight bending (camber ≤ 0.7 . 2. After test the brightness is more
2	Low Temperature Storage	Tstg= -10°C/96H	

3	High Temperature /Humidity Storage	Topr=50°C, If=12~15mA/Dice, Rh=90% 96H	than 70% of the original brightness. 3. Function is ok.
4	Thermal shock	-10°C~ +60°C, 1H/cycle , 5cycles	
5	Soldering temperature	310±5°C, ≤3s	

五、 Inspection criteria:

NO	Item		Criteria	Result
1	Black spot , white spot ,	line	$L \leq 0.1\text{mm}$	accept
			$0.1 < L \leq 2.0\text{mm}, W \leq 0.05\text{mm}, \text{Space} \geq 5\text{mm}$	QTY < 3
			$L > 2.0\text{mm}$	reject
	line	spot	$0.1\text{mm} < \phi \leq 0.25\text{mm}, \text{Space} \geq 5\text{mm}$	QTY < 2
			$\phi \leq 0.1\text{mm}$	accept
			$\phi > 0.25\text{mm}$	reject
2	Camber		BL Length $\geq 100\text{mm}$, Camber h < 0.9mm	OK
			BL Length < 100mm , Camber h < 0.6mm	OK
3	Dimension		Not outside the tolerance	accept

六. Backlight Drawin

