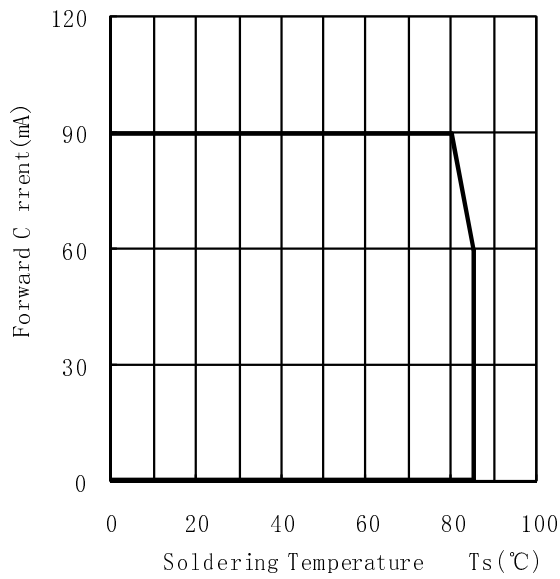


林德顺

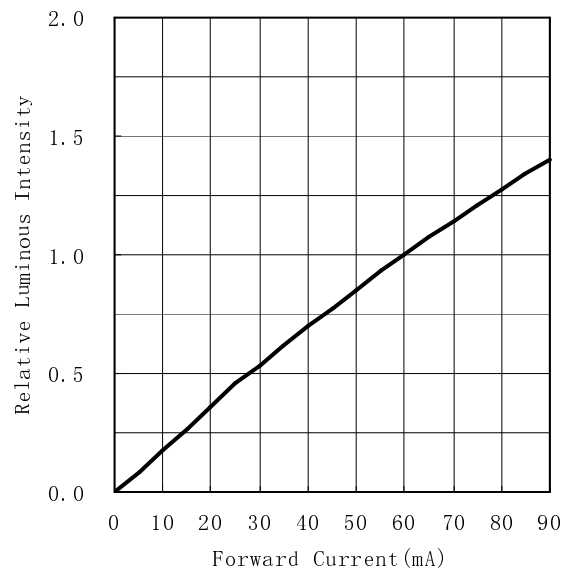
HL-AF-5060H415W-3-S1-TL-HR3

Typical optical characteristics curves 典型光学特性曲线

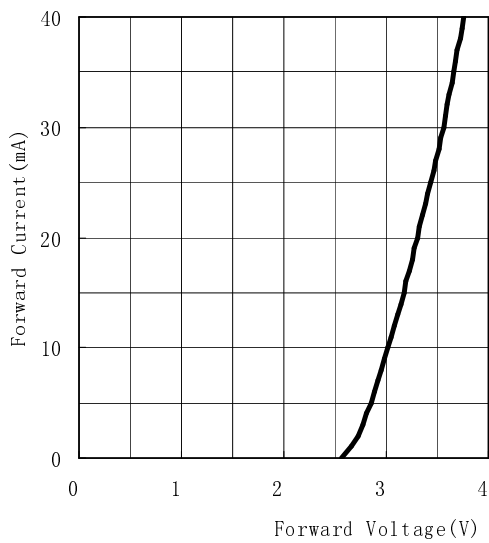
Forward Current vs. Soldering Temperature
正向电流与焊接温度特性曲线



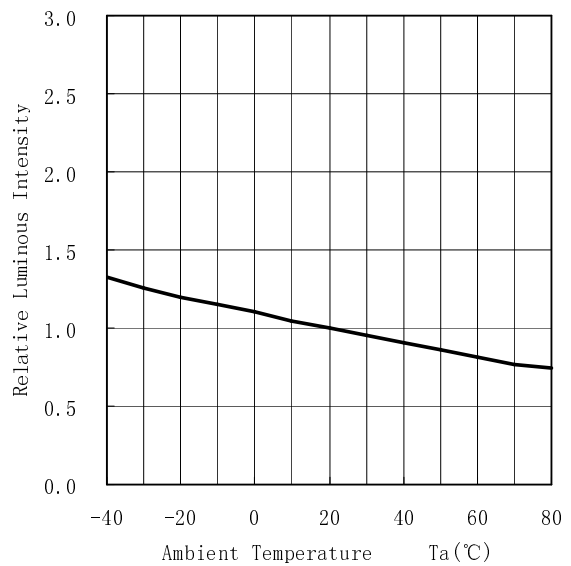
Forward Current vs. Relative Luminous Intensity
正向电流与相对光强特性曲线



Forward Voltage vs. Forward Current
正向电压与正向电流特性曲线



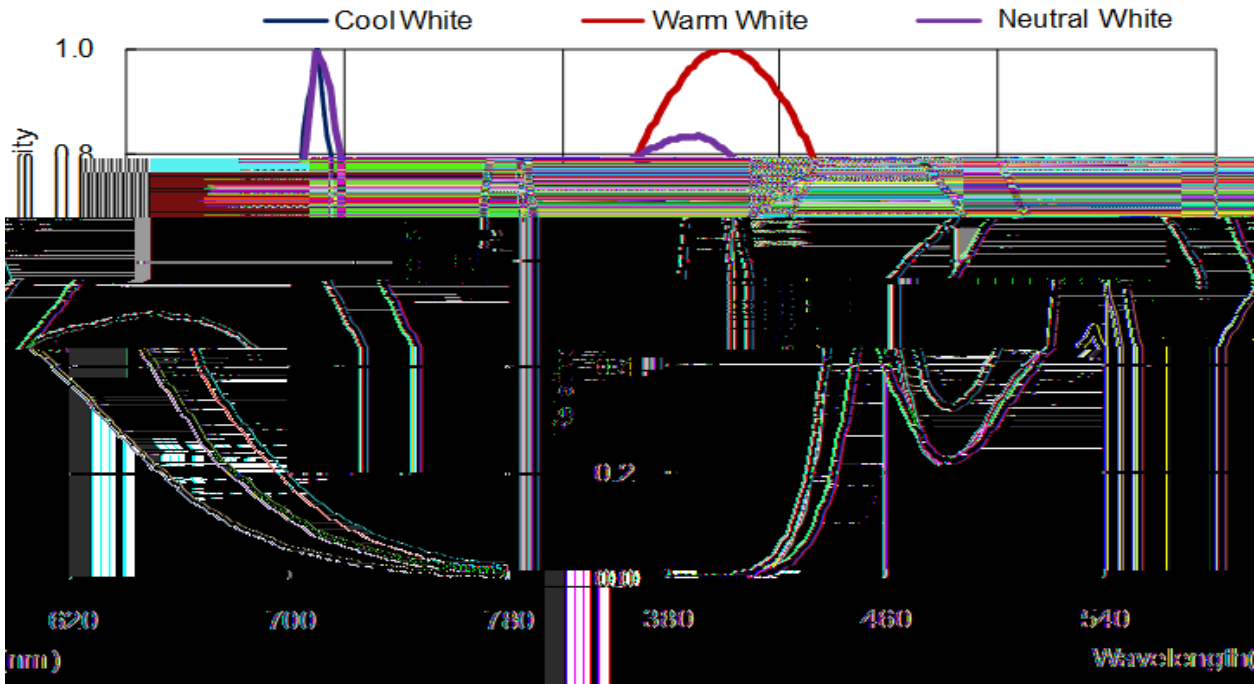
Ambient Temperature vs. Relative Luminous Intensity
环境温度与相对光强特性曲线



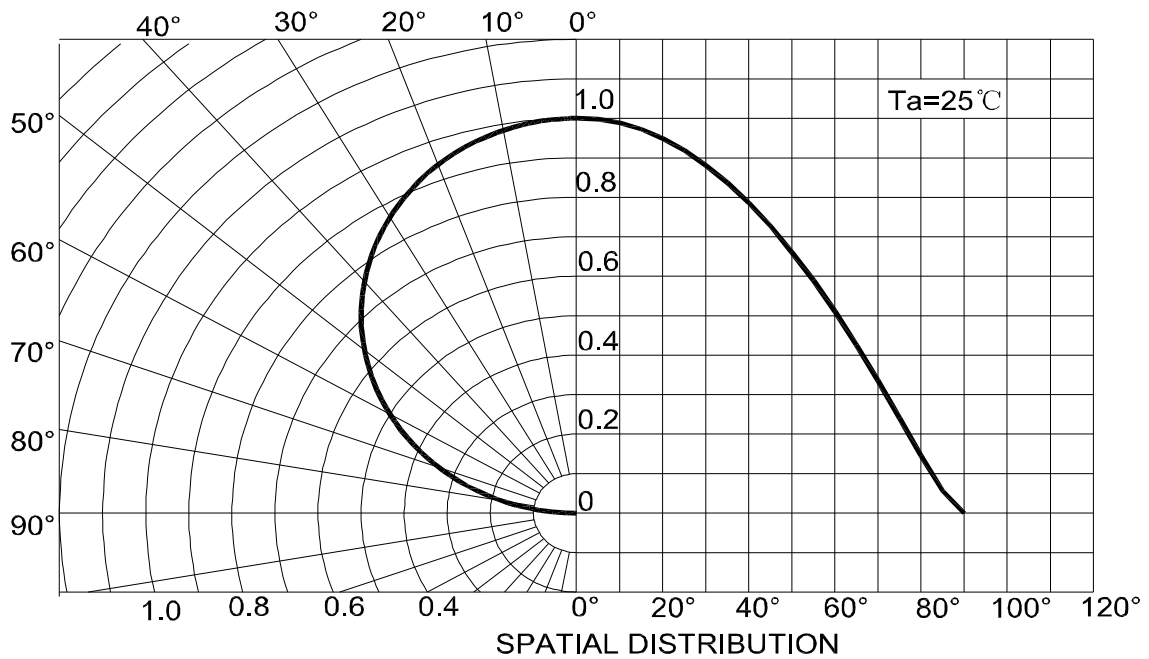
HL-AF-5060H415W-3-S1-TL-HR3

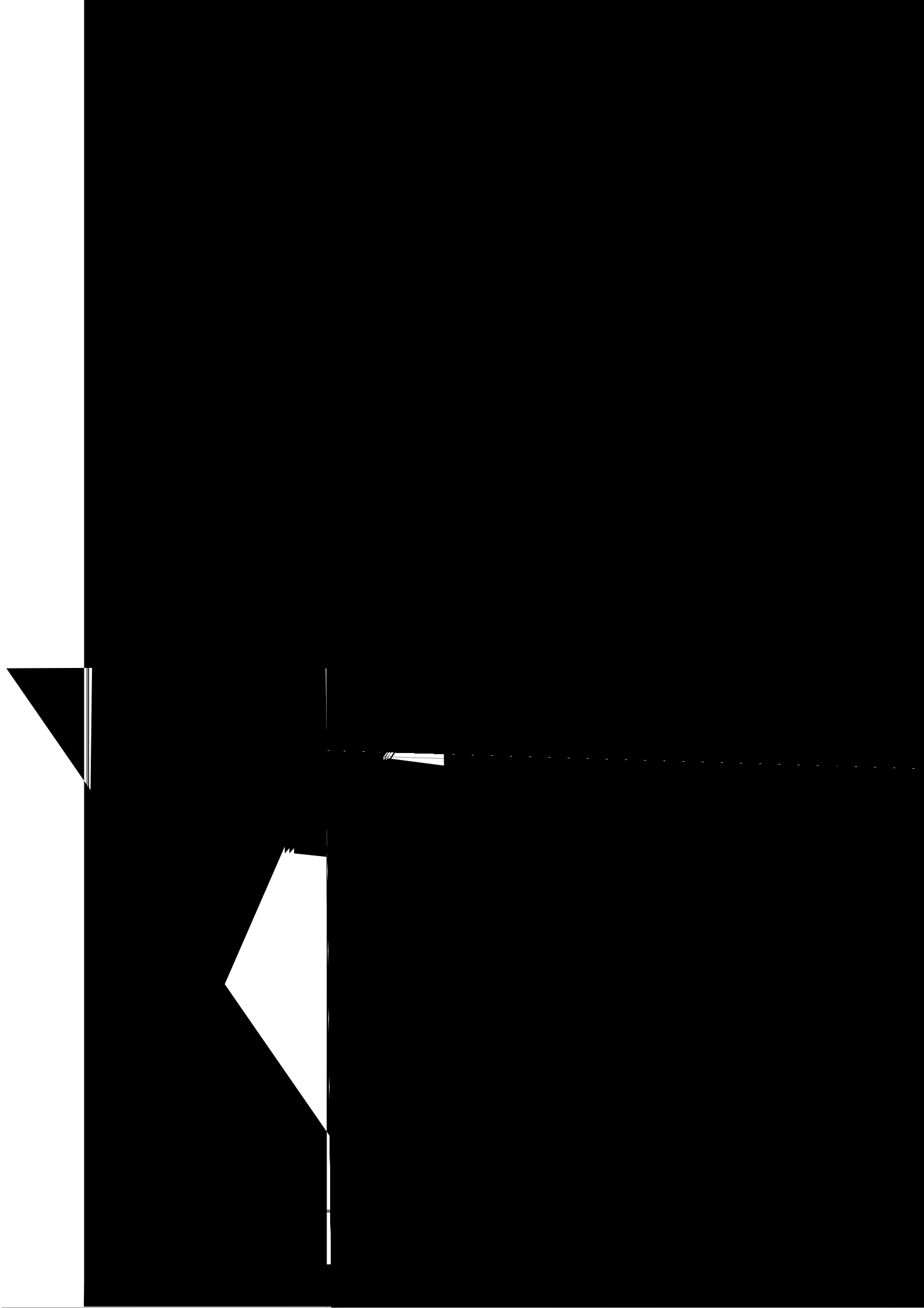
Typical optical characteristics curves 典型光学特性曲线

Relative spectral power distribution 相对光谱分布特性曲线



Radiation pattern characteristic curve 辐射图特性曲线





HL-AF-5060H415W-3-S1-TL-HR3

3in Range of *romaticit1 *oor!inate Bin区分类及色坐标范围

CCT 色温	Bi# C" (e Bi#代码	C0ER9	C0ER1	Bi# C" (e Bi#代码	C0ER9	C0ER1
60005	C32 6000-65005	0.3205	0.3481	C42 5F00-60005	0.3211	0.3468
		0.3117	0.3393		0.3294	0.3542
		0.3131	0.329		0.3296	0.3429
		0.3213	0.3371		0.3219	0.3360
		0.3213	0.3371		0.3219	0.3360
	C33 6000-65005	0.3131	0.329	C43 5F00-60005	0.3296	0.3429
		0.3145	0.3187		0.3298	0.3315
		0.3221	0.3261		0.3227	0.3251
		0.3376	0.3616		0.3461	0.3685
		0.3461	0.3685		0.3545	0.3754
50005	C62 5000-53005	0.3451	0.3561	N12 4F50-50005	0.3530	0.3625
		0.3372	0.3497		0.3451	0.3561
		0.3372	0.3497		0.3451	0.3561
		0.3451	0.3561		0.3530	0.3625
		0.3441	0.3437		0.3514	0.3496
	C63 5000-53005	0.3368	0.3378	N13 4F50-50005	0.3441	0.3437
		0.3731	0.3853		0.3839	0.3920
		0.3839	0.3920		0.3947	0.3987
		0.3803	0.3777		0.3903	0.3839
		0.3703	0.3716		0.3803	0.3777
	0.3703	0.3716	0.3803	0.3777		
	0.3803	0.3777	0.3903	0.3839		
	0.3767	0.3634	0.3858	0.3690		
	0.3675	0.3578	0.3767	0.3634		

CCT 色温	Bi# C" (e Bi#代码	C0ER9	C0ER1	Bi# C" (e Bi#代码	C0ER9	C0ER1
		0.4354	0.4142		0.4316	0.4059
		0.4430	0.4165		0.4390	0.4082
	: 42 3000-31005	0.4390	0.4082	: 43 3000-31005	0.4350	0.3998
		0.4316	0.4059		0.4279	0.3975

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Reliability Test Items and Conditions 可靠性测试项目及条件

Test Item 项目	Ref. SI # (\$ (参考标准	Test Condition 测试条件	Time 时间	* ' #li1 数量	Ac/Re 接收/拒收
Reflow 回流焊	2ESD22-B106	Temp: 260°C) 9 TK10 +ec	3 li) e++	22Pc+=	0/1
Temp Cycle 温度循环	2ESD22-A104	100°C?5°C 30) i#- ST5) i# -40°C?5°C 30) i#-	100 C1cle+	22Pc+=	0/1
-i. / Temp 高温保存	2ESD22-A103	Temp: 100°C?5°C	1000 - \$+ =	22Pc+=	0/1
>" < Temp 低温保存	2ESD22-A119	Temp: -40°C?5°C	1000 - \$+ =	22Pc+=	0/1
>ife Temp 常温通电	2ESD22-A10D	T K25°C?5°C 0FK20) AL3	1000 - \$+ =	22Pc+=	0/1
-i. / Temp -i. / -') i(i1 >ife Temp 高温高湿通电	2ESD22-A101	D5°C?5°C/ D5HR - 0FK20) AL3	1000 - \$+ =	22Pc+=	0/1

Failure Criteria 判定标准

Test Item 项目	SI ; " 符号	Test Condition 测试条件	Failure Criteria 判定标准	
			Bi#- 最小	B 9- 最大
F" \$ < \$ (V" ! .e 正向电压	VF	0FK20) AL3	--	C=S->L691=1
Reverse Current 反向电流	0R	VR K 5V	--	10' A
>') i#" '+ Fb' 9 光通量	>)	0FK20) AL3	>=S->L690=F	--

C.S.>: Cppes Specific li"# >i) ! 规格上限

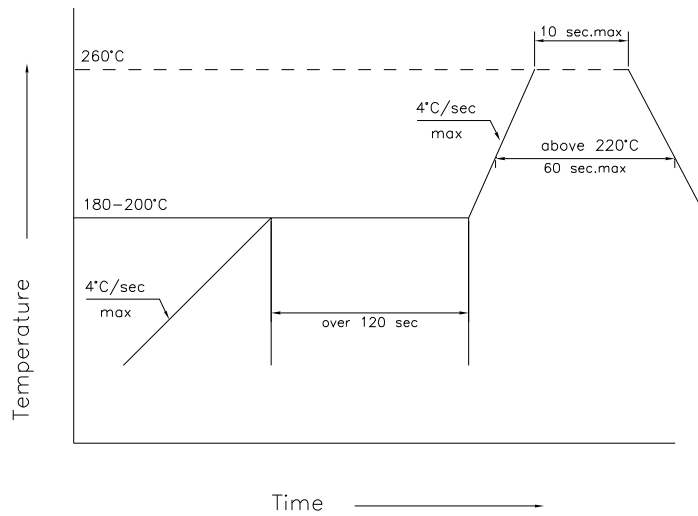
>.S.>: >" <e\$ Specific li"# >i) ! 规格下限

*T/e lec/#ic & i#f"\$) li"# +/" <# i# !/e (! +/eel+ \$e &i) ile(!" !/e !1pic &c/ \$ cle\$+lic+ # (cic' ! e9) ple+ "f !/e \$efe\$e#ce(p\$" (' cl+= 0! ("e+ #!" c"#+!i' !e !/e < \$\$ #li#. "f i#(' +!\$i & p\$"pe\$!1 #"\$!/e . \$ #li#. "f #1 lice#+e=

数据工作表中 示的技术信息仅限于典型特征和电路实例引用的产品. 它既不构成工业特性的保证, 也不构成任何许可的授权

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回流焊说明



1=Refl" < + "i(e\$# . + / " 'i(# " ! ; e ("# e) " \$e ! / # ! < " ! i) e + . 回流焊不可以做两次以上

2=: /e# + "i(e\$# . 7 (" # " ! p ' ! + ! \$e + + " # ! / e > ED + (' \$i# . / e ! i# .

当焊接时，不要在材料受热时用力压胶体表面

烙铁焊接

1=: /e# / # (+ "i(e\$# . 7 A eep ! / e ! e) pe\$! ' \$e " f i\$ # ; e! < &e+ + 300°C &e+ + ! / # 3 + ec" # (+

当手工焊接时，烙铁的温度必须小于300°C，时间不可超 3秒

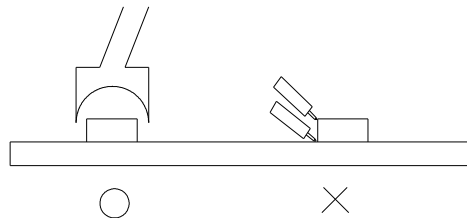
2=T/e / # (+ "i(e\$ + / " 'i(; e ("# e " #1 "# e ! i) e +

手工焊接只可焊接一次

修补

Rep i\$ + / " 'i(# " ! ; e ("# e fl e\$! / e > ED + / % e ; ee# + "i(e\$e (= : /e# \$ep i\$# . i + ' # % " i (; &e7 (" ; &e- / e (+ "i(e\$# . i\$ # + / " 'i(; e ' + e (3 + ; e! < fi . ' \$e6= 0! + / " 'i(; e c" # fi\$) e (i# (% # ce < / e! / e\$! / e c / \$ cle\$ i + lic + " f > ED + < i! \$ < i! \$ # " ! ; e () . e (; 1 \$ep i\$# . =

LED回流焊后不应该修复，当修复是不可避免时，必须用双头烙铁（如下图），但必须先确认一种方式会不会损坏LED本身的特性。



注意事项

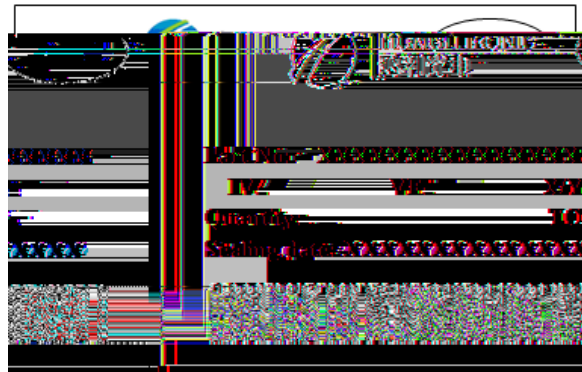
T/e e#c p + ' ! e () ! e\$ i & " f ! / e > ED + i + i! ic" # e = T / e\$ ef " \$e ! / e > ED + / % e + " f ! + ' \$f ce " # ! / e ! " p " f p c A . e = T / e p \$e + + ' \$e ! " ! / e ! " p + ' \$f ce < i! \$; e i# f! ' e# ce ! " ! / e \$e i ; i! 1 " f ! / e > ED + = P\$ec ' li" # + + / " 'i(; e ! Ae\$! " % " i (! / e + ! \$ # . p\$e + + ' \$e " # ! / e e#c p + ' ! e (p \$! = S " < / e# ' + e ! / e pic Ai# . ' p # " 88! e7 ! / e p\$e + + ' \$e " # ! / e + i! ic" # e \$e + i# + / " 'i(; e p\$ " pe\$ =

LED封 为硅胶，故LED胶体表面较软，用力按压胶体表面会影响LED可靠性，因 应有预防措施避免在封 的零件上的强大压力，当 用吸嘴时，胶体表面的压力应是恰当的。

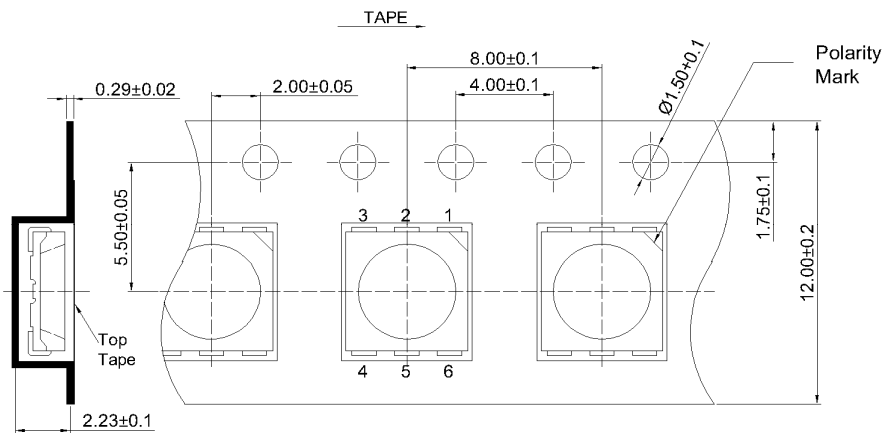
HL-AF-5060H415W-3-S1-TL-HR3

La/e 标签

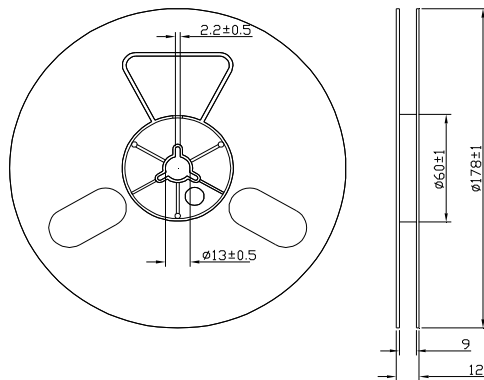
0V: >') i#" ' + i#!e#+i!1 \$ #A 亮度等级
 VF: F"\$< \$(%"! .e \$ #A 电压等级
 4/I: C" "(i# !e \$ #A 色坐标
 TC: C"&"\$!e) pe\$!'\$e 色温



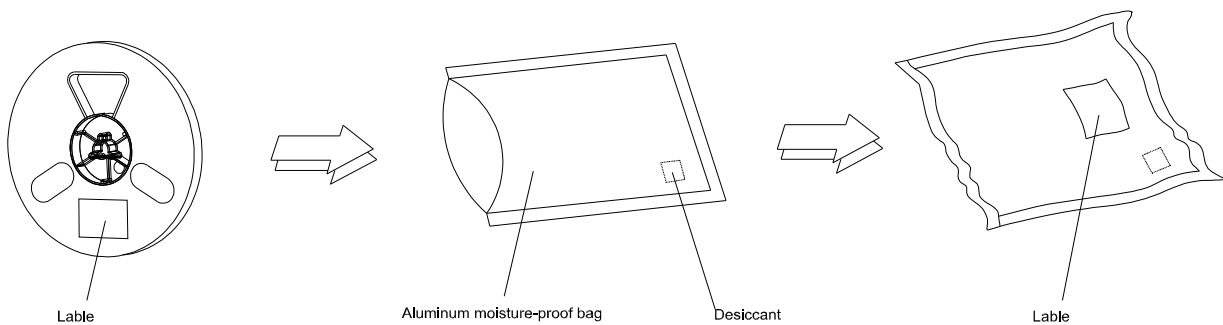
Tape Specifications 67 nits 8 mm9 载带规格 (单位: mm)



Ree Dimensions 卷轴尺寸



(oist"re Resistant Packaging 防潮带包装



N"le: T/e !"ie\$ #ce+ '#ie++) e#!i"#e(i+ ?0=1)) 7 C#!:))

注: 标注公差为±

· 单位: