



Under Development	
Mass production	





Client Name

Client P/N

Product P/N

Sending Date:

Approval	Audit	Approval	Audit	Confirmation
				
Qualified	Disqualified	DATE:		

于

LM H02 D90 W - 9 B4 C12 (Ra2)

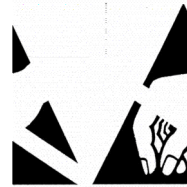
Product line code

Chip code

Recommend the minimum

The number of parallel

The number of series



OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

- Dimension 13.5mm×13.5mm×1.6mm
13.5mm×13.5mm×1.6mm
- CRI: Ra 80 80
- Wide viewing angle : 120° 120°
- RoHS compliant ROHS
- sulphation corrosion resistance
- Manual Soldering

- Down light
- Spot light



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Input power range	Pi	-	12.5	22	W
operating current range	IF	-	360	600	mA
Junction Temperature	Tj		120		°C
Operating Temperature Range	Top		-35 °C To +85 °C		
Storage Temperature Range	Tstg		-40 °C To +85 °C		
Lead Soldering Temperature*	T _{SOL}		Max. 350 for 5sec Max.		

Notes for Table:

1.The temperature of Aluminum PCB do not exceed **85** If the input power reach 80% max Pi, the temperature of Aluminum PCB should be control below **75**

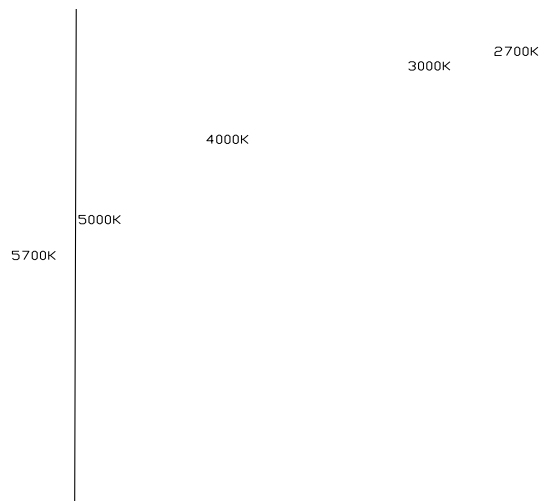
85

80%

75

2.When hand soldering, keep the temperature of iron below less **350 less than 5seconds**

		IF=360mA	32	35	38	—	V
	Φ	TC=2700K	1680	1760	1880	142	Lm
		TC=3000K	1700	1820	1900	144	
		TC=4000K	1820	1900	2020	152	
		TC=5000K	1820	1900	2020	152	
		TC=5700K	1800	1880	2000	151	
		TC=6000±300K	1760	1860	1980	150	
		TC=6500K	1760	1860	1980	150	
		IF=360mA	80	—	—	—	—
		IF=360mA	—	2	—	—	W



Notes for Table

*1. Color bins are defined at IF=360mA operation. If use different forward current, it will cause the change of chromaticity and forward voltage.

360mA

*2. The tolerance of measurement at our tester is VF±3% , v±10% and Ra±2.

±3% , ±10% ±2

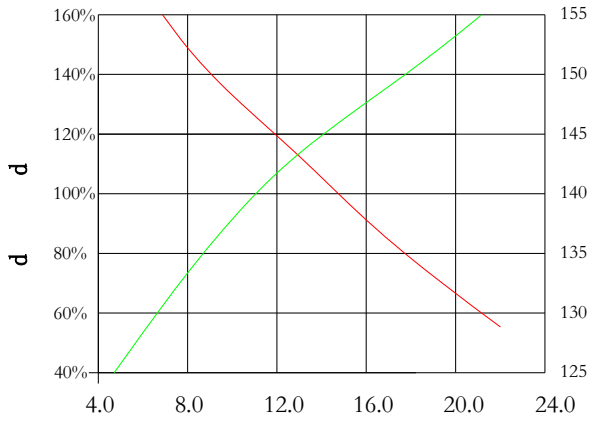
3. Tolerance of ±0.005 on x,y coordinates.

±0.005

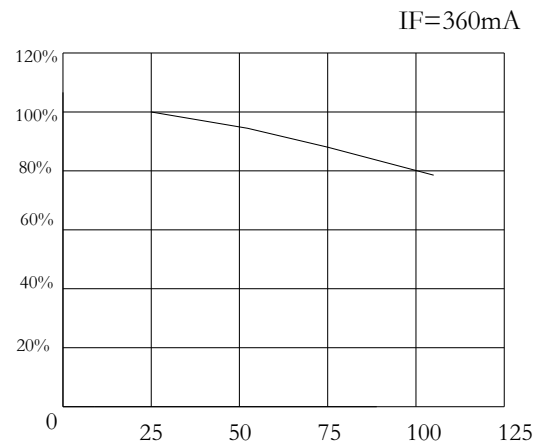
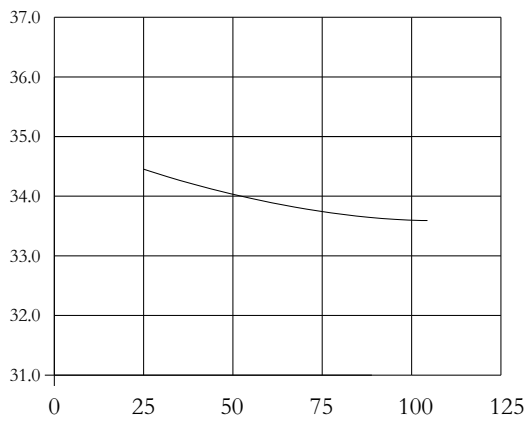
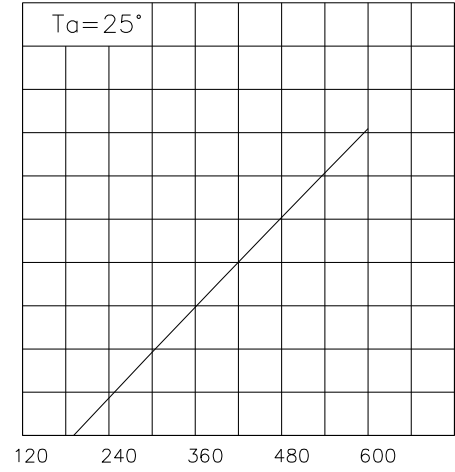
4. Color region stay within MacAdam "3-step" ellipse from the chromaticity center. but does not contain the color temperature 6000±300K. The chromaticity center refers to ANSI C78.377-2008.

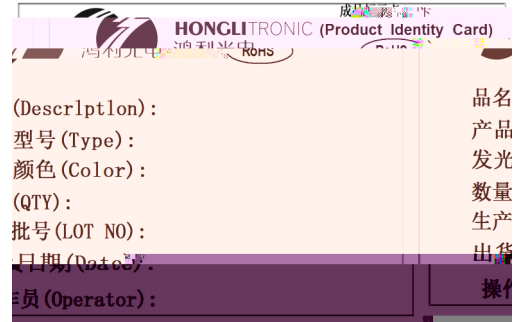
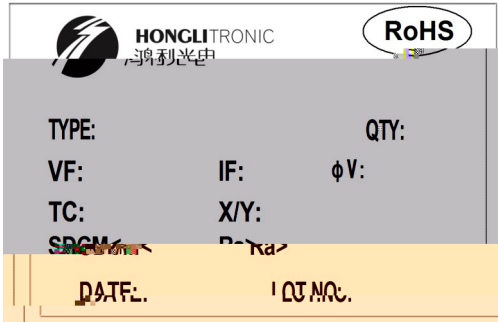


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Label on ESD shielding

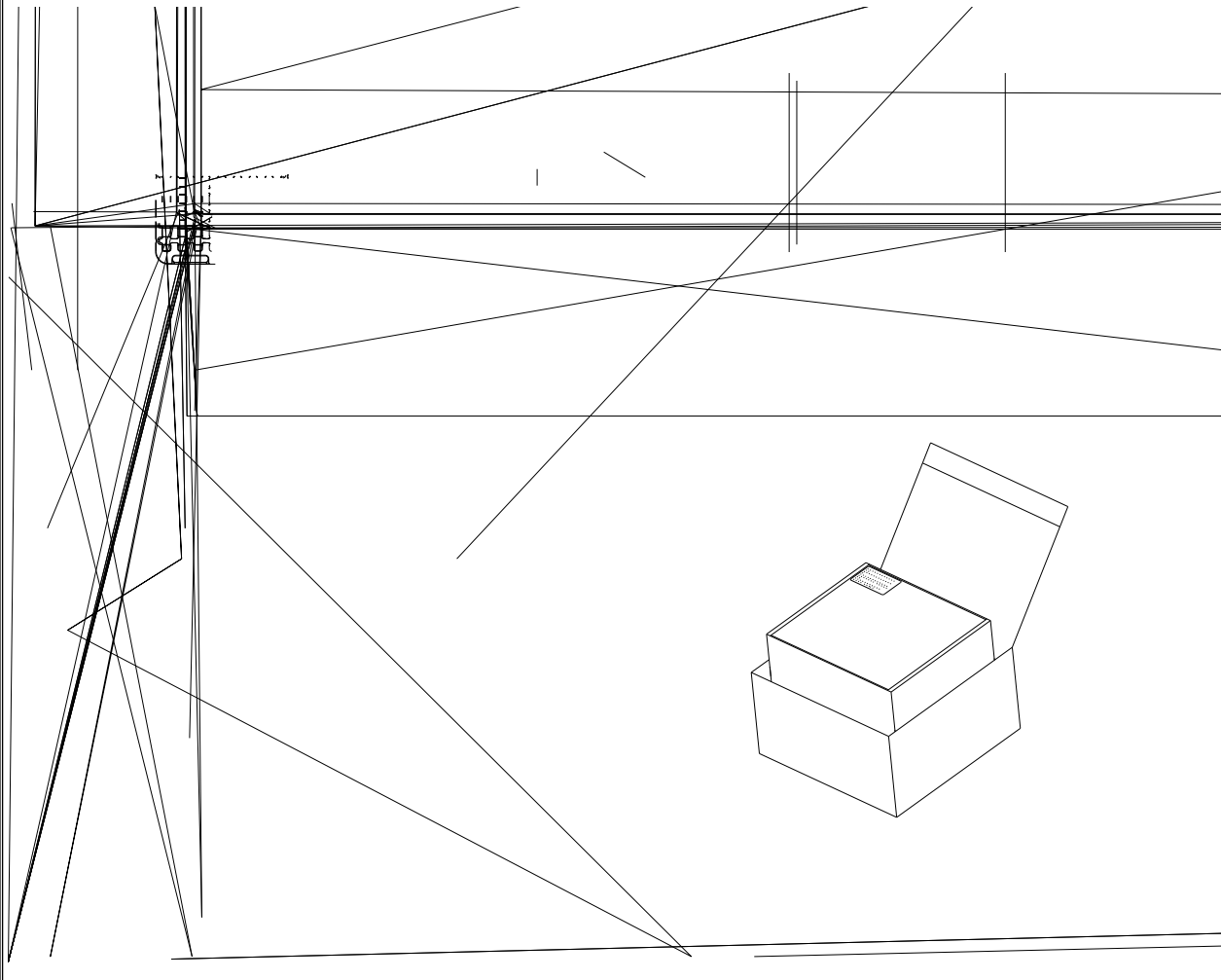
Label on box

V: Luminous Flux rank

VF: Forward voltage rank

TC: Color temperature

SDCM:





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Precaution for use ()

1. Storage

30° C

120° C±5° C

2.

东

350° C

丝



HONGLITRONIC
鸿利光电

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