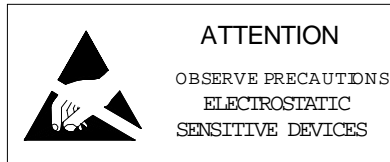
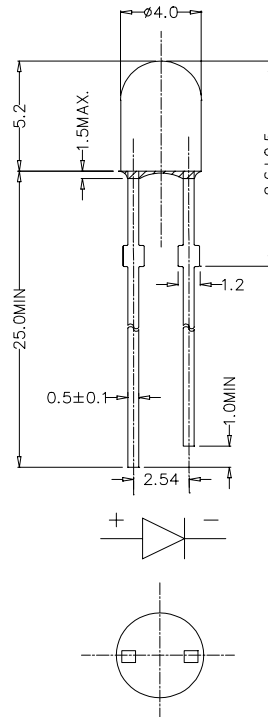




COTCO LUMINANT DEVICE (HUIZHOU) LTD

Part #: LC461MPG4-95G

Product Description: Green 95° 5mm LED lamp with tinted diffused lens and stand offs

**Resin:** Epoxy**Lens Color:** Tinted Diffused**Lead Frame:** Ag Plating Copper Alloy**Dice:** InGaN/SiC**DIMENSION DRAWING**

- NOTES: 1. ALL DIMENSIONS ARE IN mm TOLERANCE IS. ± 0.25 mm UNLESS OTHERWISE NOTED.
2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.5mm DOWN THE LEADS.
3. BURR AROUND BOTTOM OF EPOXY MAY BE 0.5 mm MAX.

COTCO-D-074 REV.0

Delivery Information Contact:

1/3

Marktech Optoelectronics*

120 Broadway, Menands, NY 12204

Phone: 800.984.5337 FAX: 518.432.7454

Web Site: www.marktechopto.com

*Marktech is the exclusive North American Technical Sales and Marketing office for COTCO LED products

SPECIFICATION

Absolute Maximum Rating (T_a = 25°C)

Items	Symbol	Absolute maximum Rating	Unit
Forward Current	I _F	25	mA
Peak Forward Current pulse width ≤ 0.1msec duty ≤ 1/10	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	120	mW
Operation Temperature	T _{opr}	-20 ~ +75	°C
Storage Temperature	T _{stg}	-30 ~ +80	°C
Lead Soldering Temperature	T _{sol}	260°C for 3sec (3mm from the base of the epoxy bulb)	

Initial Electrical/Optical Characteristics (T_a = 25°C)

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F = 20mA	3.2	3.6	4.2	V
Reverse Current	I _R	V _R = 5V	---	---	100	μA
Wavelength	λ _D	I _F = 20mA	515	525	535	nm
Luminous Intensity	I _v	I _F = 20mA	102	280	---	mcd
50% Power Angle	2θ _½	I _F = 20mA	---	95	---	deg

Luminous Intensity Combination

Rank	L	M	N	P
Luminous Intensity (I _f =20mA)	102-145 mcd	145-200 mcd	200-280 mcd	280-390 mcd

*One normal delivery will include all ranks listed above.

The quantity ratio of the ranks is decided by COTCO.

Upper and Lower Tolerance limit for Luminous intensity : ±15%

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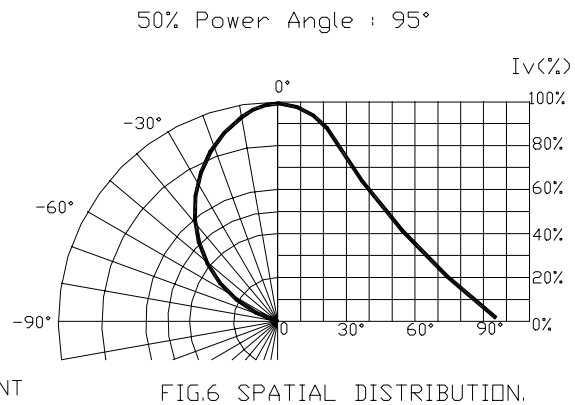
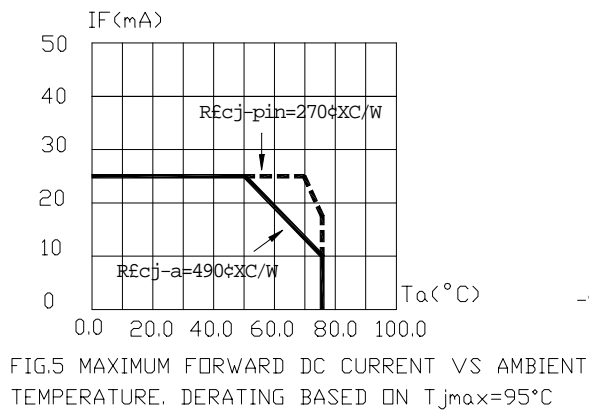
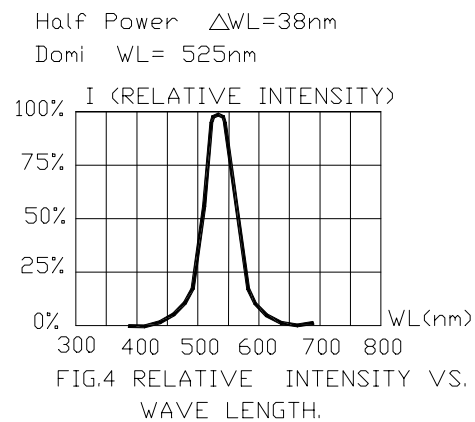
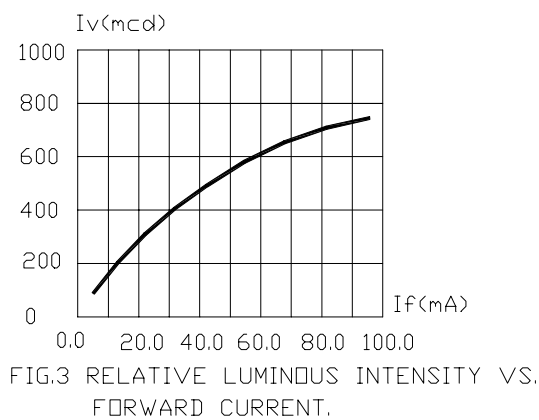
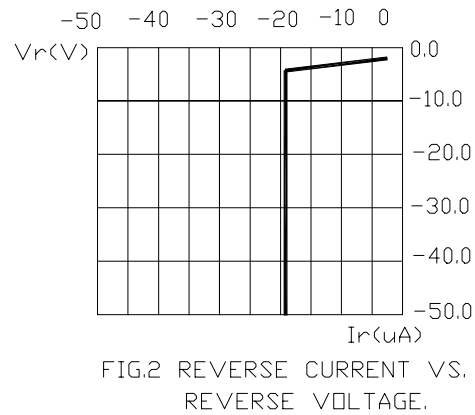
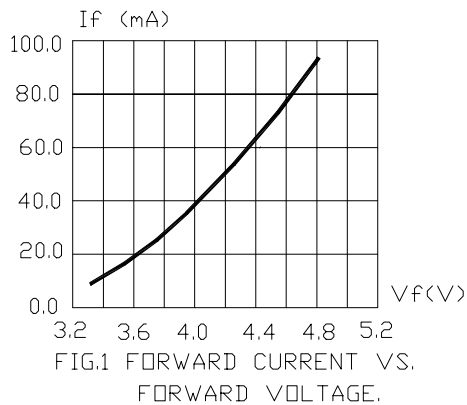
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GRAPHS



- 1.Cathode PAD Area ($0.18 \times 0.18\text{inch}^2$)
- 2.Height above nominal seating plane in inches(0.3inch)

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3/3

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