

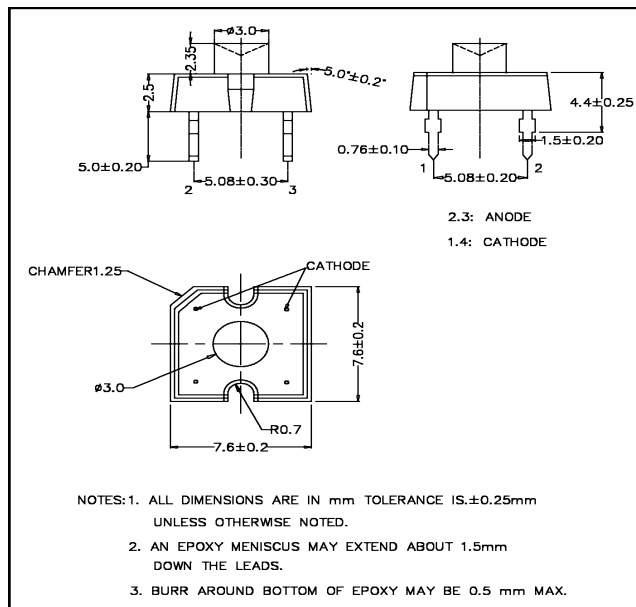
LP378PWH1-C0G

Features

4 Pin Plastic Package
Low Profile
Concave Lens
Very Wide Viewing Angle (120°)

Applications

Backlighting
General Purpose Lighting



Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I _F	30	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	120.00	mW
Operating Temperature	T _{opr}	-20 ~ +75	°C
Storage Temperature	T _{stg}	-30 ~ +80	°C
Soldering Temperature	T _{sol}	260	°C
Soldering Time	-	for 3 sec. max	-

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =30mA	3.60	4.00	4.60	V
Reverse Current	I _R	V _R =5V	-	-	100	μA
Luminous Flux	Φ	I _F =30mA	200.00	350.00	-	mlm
Viewing Angle	2θ ^{1/2}	-	-	120°	-	deg.
Peak Wavelength	λ _p	I _F =30mA	-	465	-	nm
Dominant Wavelength	λ _d	I _F =30mA	-	x=.31, y=.32	-	nm
Spectral Line Half Width	Δλ	I _F =30mA	-	28	-	nm



ATTENTION

OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES

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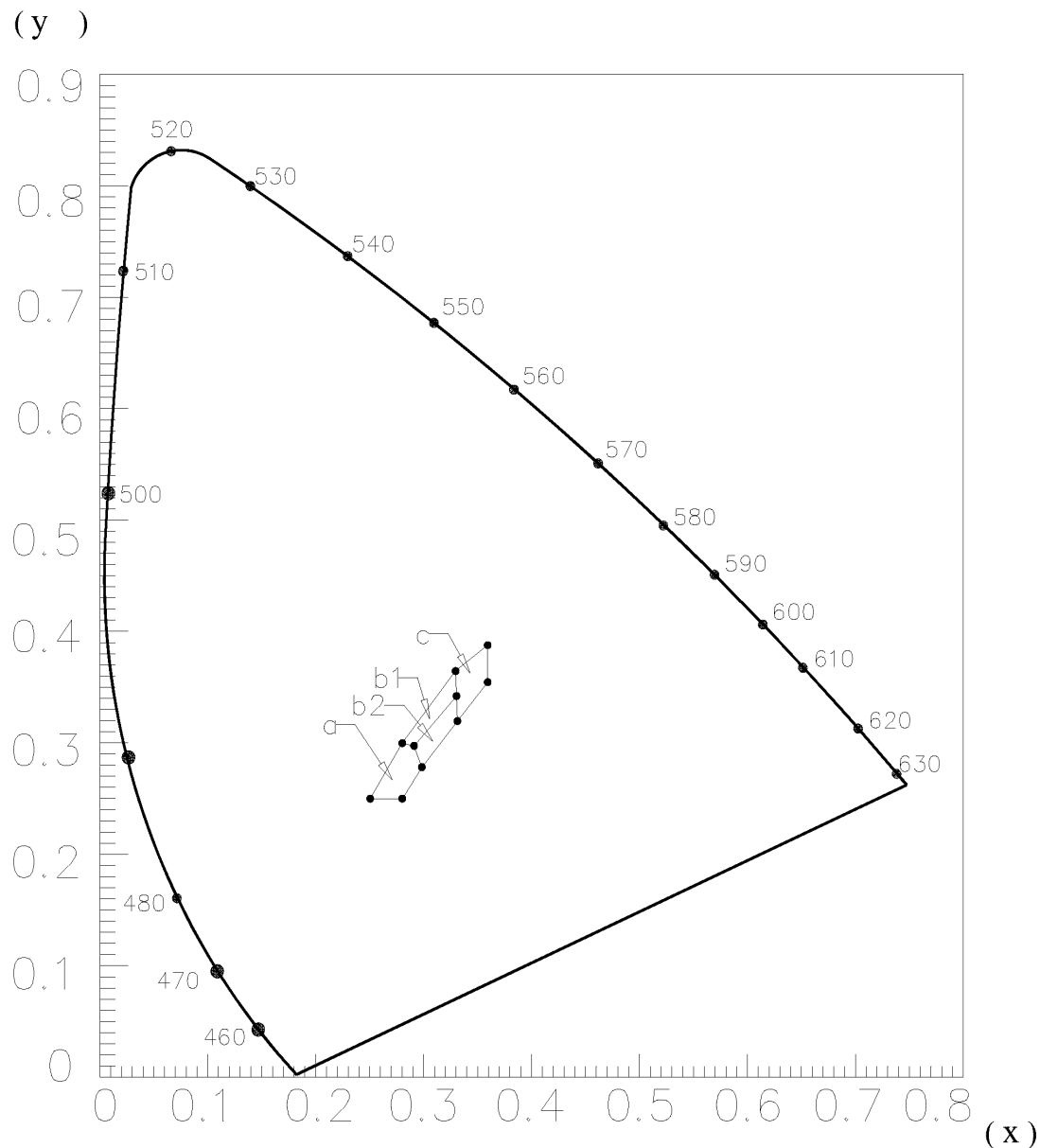


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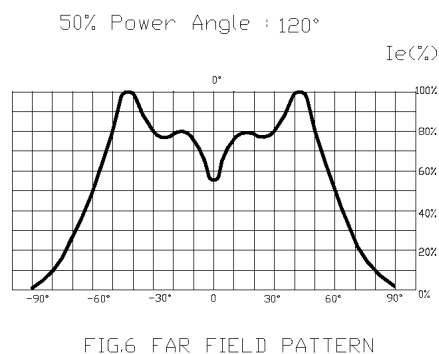
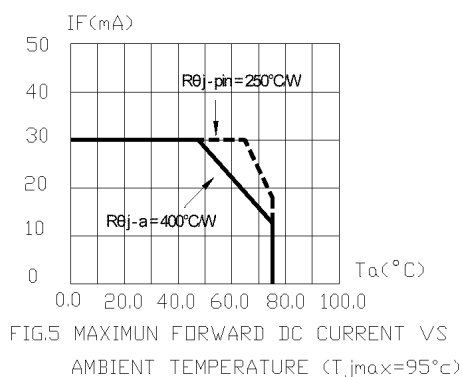
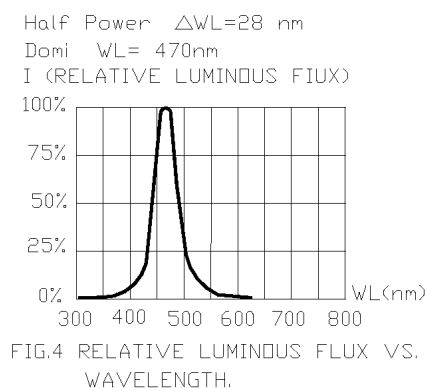
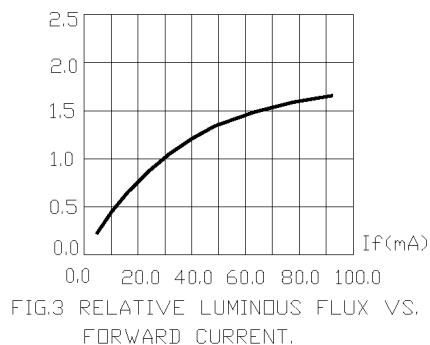
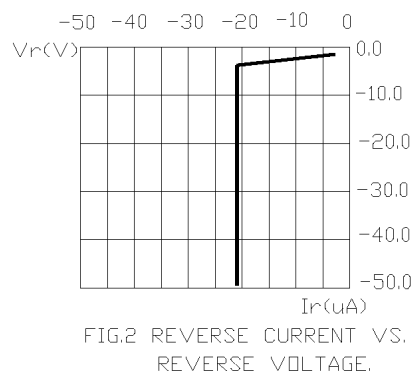
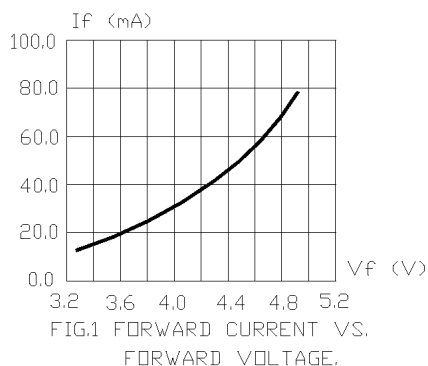
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LP378PWH1-C0G Graphs

CIE Chromaticity Diagram



LP378PWH1 C0G Graphs



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