

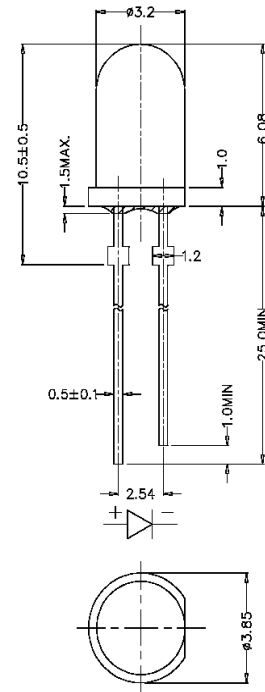
## LC374QWN1-65G

### Features

This product has Stand-Offs

### Applications

Advertising Signs  
Indicators  
Illumination Applications  
LCD Backlight



- NOTES: 1. ALL DIMENSIONS ARE IN mm TOLERANCE IS  $\pm 0.25$ 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.

### Maximum Ratings ( $T_a=25^\circ\text{C}$ )

Characteristic	Symbol	Max.	Unit
Forward Current	$I_F$	25	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	105.00	mW
Operating Temperature	$T_{opr}$	$-20 \sim +75$	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	$-30 \sim +80$	$^\circ\text{C}$
Soldering Temperature	$T_{sol}$	260	$^\circ\text{C}$
Soldering Time	-	for 3 sec. max	-

### Opto-Electrical Characteristics ( $T_a=25^\circ\text{C}$ )

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=20\text{mA}$	-	3.60	4.20	V
Reverse Current	$I_R$	$V_R=5\text{V}$	-	-	100	$\mu\text{A}$
Luminous Intensity	$I_v$	$I_F=20\text{mA}$	770.00	1500.00	-	mcd
Viewing Angle	$2\theta^{1/2}$	-	-	$65^\circ$	-	deg.
Peak Wavelength	$\lambda_p$	$I_F=20\text{mA}$	-	465	-	nm
Dominant Wavelength	$\lambda_d$	$I_F=20\text{mA}$	-	X=.31, Y=.32	-	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=20\text{mA}$	-	28	-	nm

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## LC374QWN1-65G Graphs

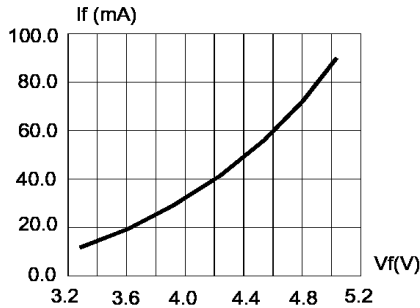


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE.

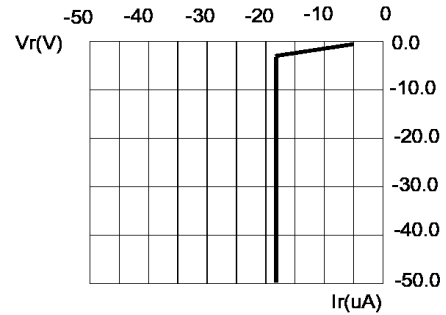


FIG.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

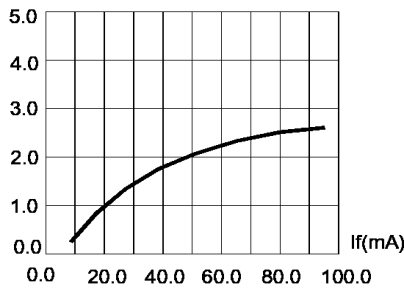


FIG.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT.

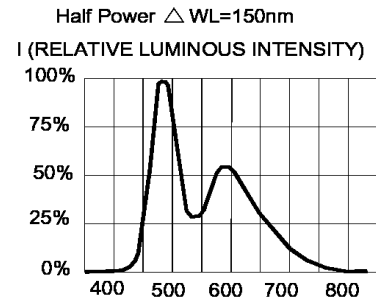


FIG.4 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH.

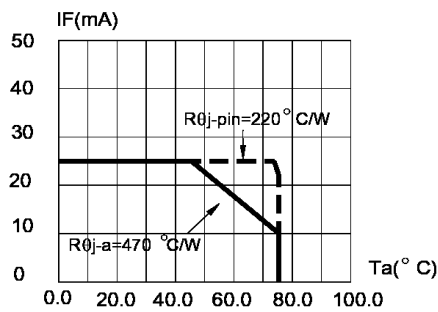


FIG.5 MAXIMUM FORWARD DC CURRENT VS AMBIENT TEMPERATURE (Tjmax=95 °C)

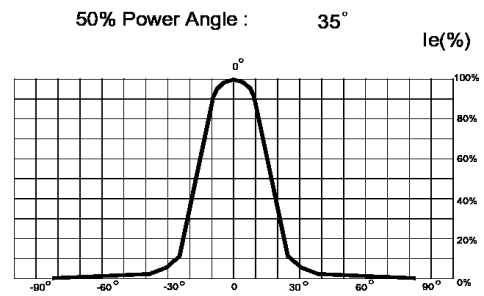


FIG.6 FAR FIELD PATTERN

1. Cathode PAD Area (0.18 X 0.18inch<sup>2</sup>)
2. Height above nominal seating plane in inches(0.3inch)