

DATA SHEET

5mm LEDs

Order code	Manufacturer code	Description
56-0425	L-5A7GD-L42	L-5A7GD-L42 LED 5MM LOW CURR SUP/GRN RC

5mm LEDs	Page 1 of 4
The enclosed information is believed to be correct, Information may change ±without noticed due to	Revision A
product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	20/02/2007

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T-1 3/4 (5mm) SOLID STATE LAMP

PRELIMINARY SPEC

Part Number: L-5A7GD-L42

GREEN

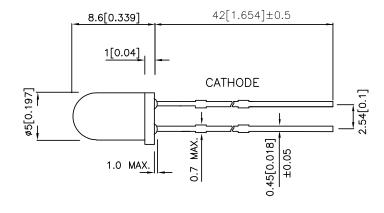
Features

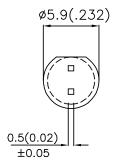
- •LOW POWER CONSUMPTION.
- •VERSATILE MOUNTING ON P.C. BOARD OR PANEL.
- •T-1 3/4 DIAMETER PACKAGE RELIABLE AND RUGGED.
- •RoHS COMPLIANT.

Description

The Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

Package Dimensions





Notes

- All dimensions are in millimeters (inches).
- 2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
- 3. Lead spacing is measured where the leads emerge from the package.
- 4. Specifications are subject to change without notice.





SPEC NO: DSAF5496 REV NO: V.2 DATE: JUL/13/2007 PAGE: 1 OF 3
APPROVED: WYNEC CHECKED: Allen Liu DRAWN: D.M.LIU ERP:1104001404

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Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 10mA		Viewing Angle [1]	
			Min.	Тур.	201/2	
L-5A7GD-L42	GREEN (GaP)	GREEN DIFFUSED	5	15	30°	

- 1. 01/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
 2. Luminous Intensity / Luminous Flux: +/-15%.

Electrical / Optical Characteristics at Ta=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Green	565		nm	IF=20mA
λD [1]	Dominant Wavelength	Green	568		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Green	30		nm	IF=20mA
С	Capacitance	Green	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Green	2.2	2.5	V	I=20mA
lR	Reverse Current	Green		10	uA	VR = 5V

Notes:

- 1.Wavelength: +/-1nm.
- 2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

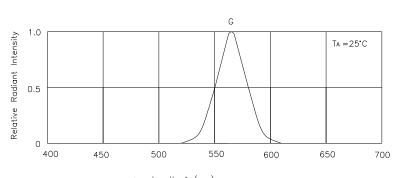
Parameter	Green	Units	
Power dissipation	62.5	mW	
DC Forward Current	25	mA	
Peak Forward Current [1]	140	mA	
Reverse Voltage	5	V	
Operating/Storage Temperature	-40°C To +85°C	·	
Lead Solder Temperature [2]	perature [2] 260°C For 3 Seconds		
Lead Solder Temperature [3]	260°C For 5 Seconds		

Notes:

- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
- 2. 2mm below package base.
- 3. 5mm below package base.

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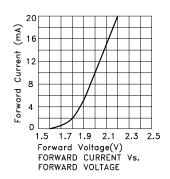
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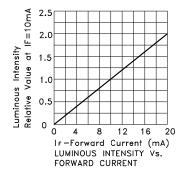


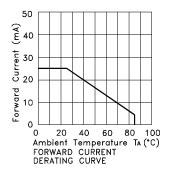
 $\label{eq:wavelength} \begin{tabular}{ll} wavelength & λ (nm) \\ \end{tabular}$ RELATIVE INTENSITY Vs. WAVELENGTH

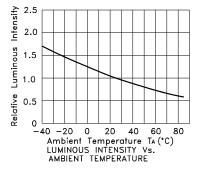
Green

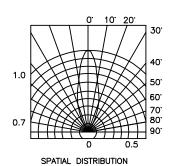
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