

# OPA5615H

# Yellow Green LED Chip

GaP/GaP

**1. Material** Substrate GaP (N Type)  
Epitaxial Layer GaP (P/N Type)

**2. Electrode** N(Cathode) Side Gold Alloy  
P(Anode) Side Gold Alloy

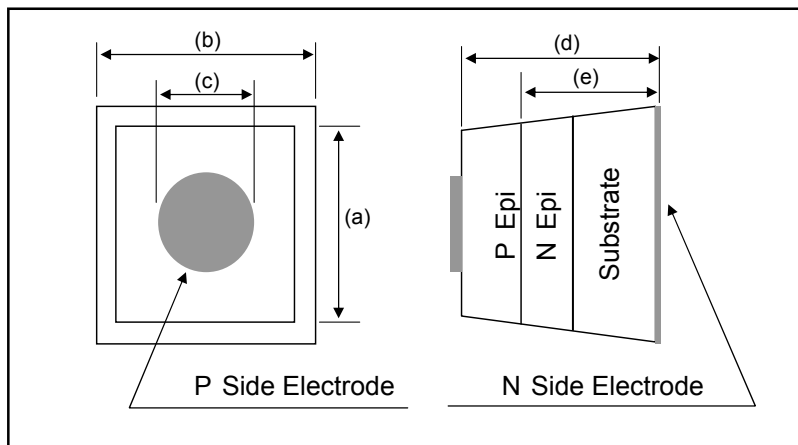
**3. Electro-Optical Characteristics**

Parameter	Symbol	Min	Typ	Max	Unit	Condition
Forward Voltage	$V_{F(1)}$		1.8		V	IF=1mA
	$V_{F(2)}$		2.2	2.4	V	IF=20mA
Reverse Voltage	$V_R$	8			V	IR=10uA
Brightness	Iv	500	600		mcd	IF=20mA
Wavelength	$\lambda_d$		572		nm	IF=20mA
	$\Delta\lambda$		30		nm	IF=20mA

※ Note : Brightness is measured by Sorter E/T system with bare chip.

**4. Mechanical Data**

- (a) Emission Area ----- 13mil x 13mil
- (b) Bottom Area ----- 14mil x 14mil
- (c) Bonding Pad ----- 160um
- (d) Chip Thickness ----- 11mil
- (e) Junction Height ----- 8.4mil



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