

# OPA6611

Super Bright

## Red LED Chip

GaAlAs / GaAs

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

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

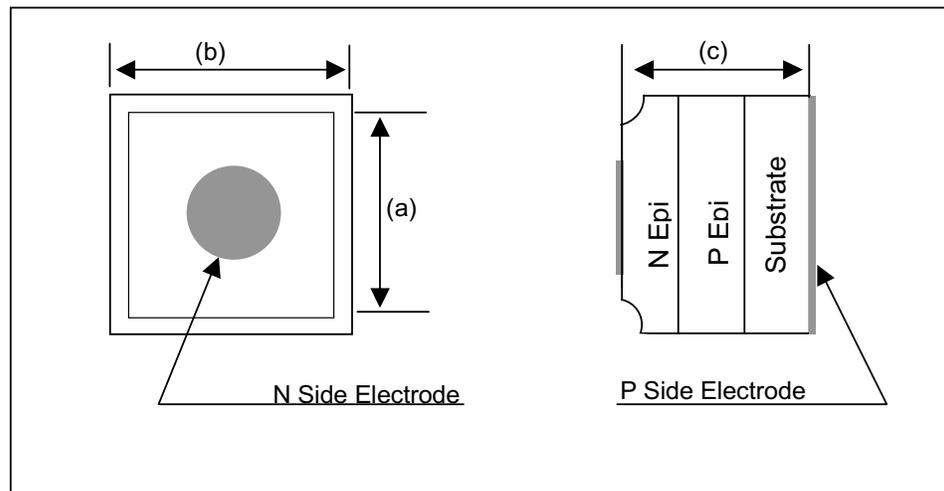
### 3. Electro-Optical Characteristics

Parameter	Symbol	Min	Typ	Max	Unit	Condition
Forward Voltage	$V_{F(1)}$		1.6		V	$I_F=1mA$
	$V_{F(2)}$		1.9	2.2	V	$I_F=20mA$
Reverse Voltage	$V_R$	5.0			V	$I_R=10\mu A$
Brightness	$I_V$	500	700		mcd	$I_F=20mA$
Wavelength	Hue		645		nm	$I_F=20mA$
	$\Delta\lambda$		20		nm	$I_F=20mA$

※ Note: Assembled into T1<sup>3/4</sup> plastic package.

**4. Mechanical Data**

- (a) Emission Area ----- 10mil × 10mil
- (b) Bottom Area ----- 12mil × 12mil
- (c) Chip Thickness ----- 11mil



Knowledge\*on Inc.

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