

# OPA6116

## Soft Orange LED Chip

GaAsP / GaP

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

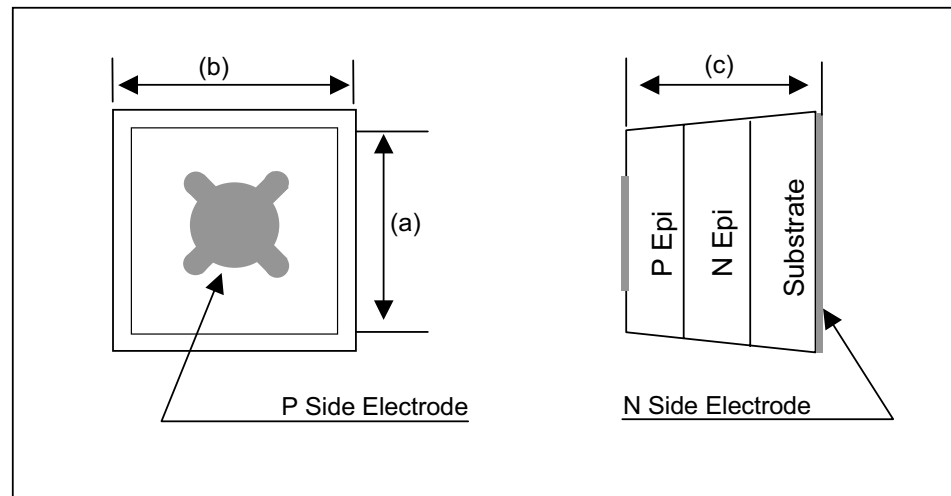
**2. Electrode**  
 N (Cathode) Side Gold Alloy  
 P (Anode) Side Gold Alloy

### 3. Electro-Optical Characteristics

Parameter	Symbol	Min	Typ	Max	Unit	Condition
Forward Voltage	$V_{F(1)}$		1.7		V	$I_F=1\text{mA}$
	$V_{F(2)}$		2.1	2.5	V	$I_F=20\text{mA}$
Reverse Voltage	$V_R$	6.0			V	$I_R=10\mu\text{A}$
Brightness	$I_V$	100	180		mcd	$I_F=20\text{mA}$
Wavelength	Hue		605		nm	$I_F=20\text{mA}$
	$\Delta\lambda$		40		nm	$I_F=20\text{mA}$

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

**4. Mechanical Data**  
 (a) Emission Area ----- 9mil × 9mil  
 (b) Bottom Area ----- 11mil × 11mil  
 (c) Chip Thickness ----- 11mil



Knowledge\*on Inc.

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