7F, No. 349, Sec. 2, Renhe Road, Dashi, Taoyuan, Taiwan (R.O.C) 335

Cat No.: 7-1S-1000-009

Revision:

AllnGaP LED DICE

Part NO.: AOC-108RxA-4mil Series

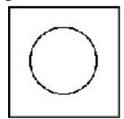
Features

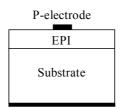
- Red Color Emission
- Excellent performance and high efficiency
- Great reliability even in harsh environment

Description

AOC-108RxA-4mil series is a red color emitting AlInGaP LED grown by MOCVD technique. Its structure enables enhanced quantum efficiency and therefore a greater light intensity. This device is designed to suit the growing demand in the compact size electronic goods.

Chip Dimensions





Chip Size : 6.3mil×6.3mil±0.5mil Bonding Pad: \$\phi4.0\text{mil}\pm0.4\text{mil}\$ Chip Thickness: 4.0mil±1.0mil

N-electrode

Specification and Optical Characteristics

Measuring Item	Symbol	Condition	Min	Тур	Max	Unit
Forward Voltage	$V_{\rm F}$	I _F =20mA	1.70 -		2.30	V
Reverse Current	IR	VR=-5V	-	-	1.0	μ A
Dominant Wavelength	λd	I _F =20mA	617	-	635	nm
Max. Junction Temperature	T_{max}	-	≦ 115			$^{\circ}\!\mathbb{C}$
Max. DC forward current	I_{f}	Ta = 25°C	≦ 20			mA
Max. pulse forward current	${ m I}_{ m fm}$	Ta = 25°C	≤ 40		mA	
(Pulse width 0.1 msec, frequency=1 kHz.)						
Storage temperature	$\mathrm{T}_{\mathrm{stg}}$	Chip on tape $0 \sim 40$			$^{\circ}\!\mathrm{C}$	
		Only chip	- 40 ∼ 80			

Available Dominate Wavelength and Iv Matrix

Minimum Intensity	IV≥							
(@20mA)	20mcd	30mcd	40mcd	50mcd	60mcd	70mcd	80mcd	90mcd
Grade	A	В	С	D	Е	F	G	Н

Not:

- All measurements are done with AOC's standard testing equipment.
- Luminance intensity is measured on bare chip.
- Above contents are subject to change without notice.
- Special requests are also welcome, please contact AOC's sale representative for any request. RxA represents anyone of RSA(616nm~625nm), RMA(620nm~630nm), RLA(625nm~635nm) and RRA(635nm~645nm).

1/1 http://www.aocepi.com. 4-1O-QE00-021-001 Rev.00