

# AllnGaP LED DICE

## Part NO.: AOC-1120xC Series

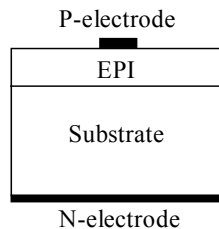
### Features

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

### Description

AOC-1120xC series is a orange color emitting AllnGaP 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 : 10.8mil×10.8mil±0.5mil

Bonding Pad : φ3.8mil±0.3mil

Chip Thickness : 6.5mil±1.0mil

### Specification and Optical Characteristics

Measuring Item	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=20mA$	1.70	-	2.20	V
Reverse Current	$I_R$	$V_R=-5V$	-	-	1.0	$\mu A$
Dominant Wavelength	$\lambda_d$	$I_F=20mA$	600	-	620	nm
Max. Junction Temperature	$T_{max}$	-	$\leq 115$			$^{\circ}C$
Max. DC forward current	$I_f$	$T_a = 25^{\circ}C$	$\leq 50$			mA
Max. pulse forward current (Pulse width 0.1 msec, frequency=1 kHz.)	$I_{fm}$	$T_a = 25^{\circ}C$	$\leq 100$			mA
Storage temperature	$T_{stg}$	Chip on tape	0 ~ 40			$^{\circ}C$
		Only chip	-40 ~ 80			

### Available Dominate Wavelength and Iv Matrix

Part No.	Wavelength Range	$\geq 130$	$\geq 140$	$\geq 150$	$\geq 160$	$\geq 170$	$\geq 180$	$\geq 190$	$\geq 200$	$\geq 210$	$\geq 220$	$\geq 230$
		mcd	mcd	mcd	mcd	mcd	mcd	mcd	mcd	mcd	mcd	mcd
112OSC	600~610 nm	-	-	-	-	-	-	-	-	-	-	-
112OLC	610~620 nm	-	M	N	O	P	Q	-	-	-	-	-

Not:

1. All measurements are done with AOC's standard testing equipment.
2. Luminance intensity is measured on bare chip.
3. Above contents are subject to change without notice.
4. Special requests are also welcome, please contact AOC's sale representative for any request.