



Opto Plus LED Corp.

OPL-3004ED-60-H1A

3 mm Dia LED Lamp

● **EDIT HISTORY**

Version A : Mar.05, 2015

Preliminary Spec.

Manufacture	Examination	Approving



Opto Plus LED Corp.

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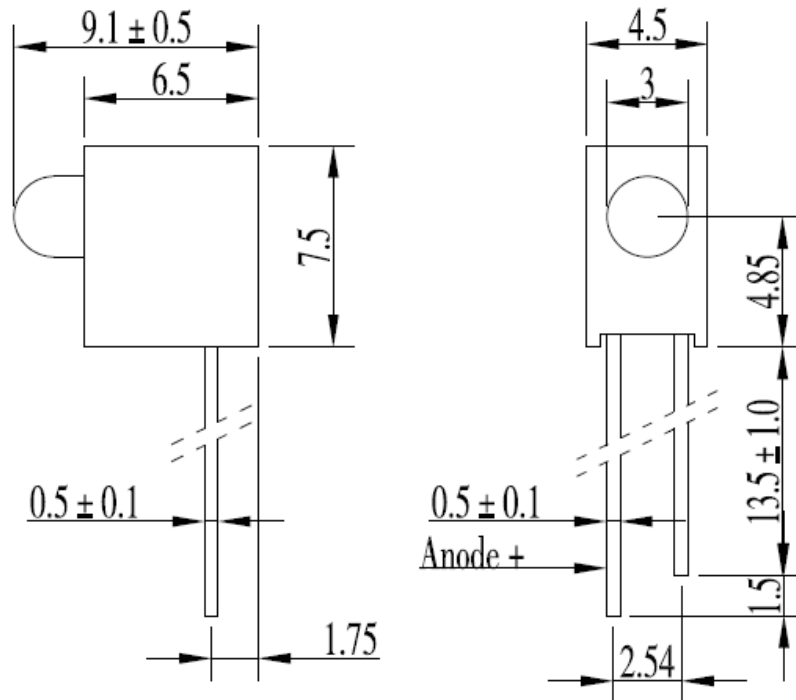
DESCRIPTION

Chip Material : GaAsP/GaAs
Emitting Color : Orange
Lens Color : Red Diffused

FEATURES

Low power consumption.
High efficiency
Round type
T1(3mm)diameter
With Flange
Solder leads without stand-off
Compliant with RoHs

PACKAGE DIMENSIONS



Tolerance is ± 0.25 mm

Unless Otherwise Specified



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● E: Orange RED (GaAsP/GaP)

ABSOLUTE MAXIMUM RATING AT Ta=25°C

Parameter	Symbol	Orange	Unit
Power dissipation	P _{AD}	60	mW
Reverse voltage	V _R	5	V
Continuous forward current	I _{AF}	25	mA
Temperature coefficient	I/C	0.33	mA/°C
Pulse current	I _{PF}	100	mA
Operating temperature	T _{OPR}	-25 to +85	°C
Storage temperature	T _{STG}	-30 to +100	°C
Soldering Condition	T _{sd}	260°C/5set	°C

ELECTRICAL - OPTICAL CHARACTERISTICS AT Ta=25°C

Characteristic	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	V _F	I _F =20mA	-	2.1	2.5	V
Reverse current	I _R	V _R =5V	-	-	50	μA
Peak wavelength	λ _P	I _F =20mA	-	632	-	nm
Dominant wavelength	λ _D	I _F =20mA	-	624	-	nm
Luminous intensity	I _V	I _F =20mA	26.6	52.0	-	mcd
Spectral radiation bandwidth	Δλ	I _F =20mA	-	35	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	-	60	-	deg



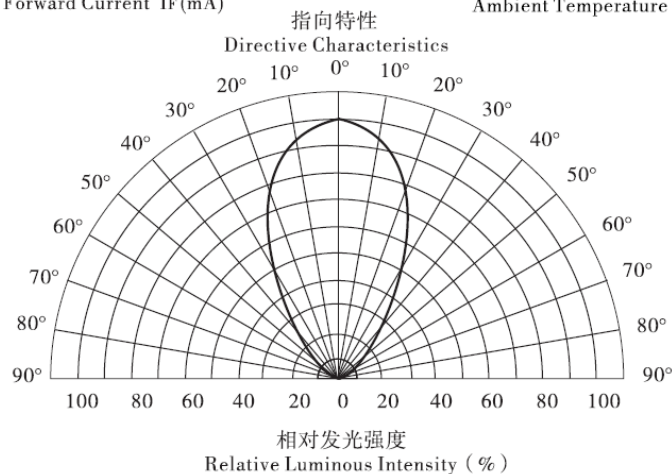
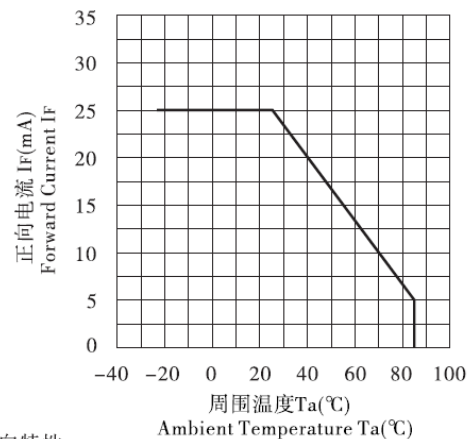
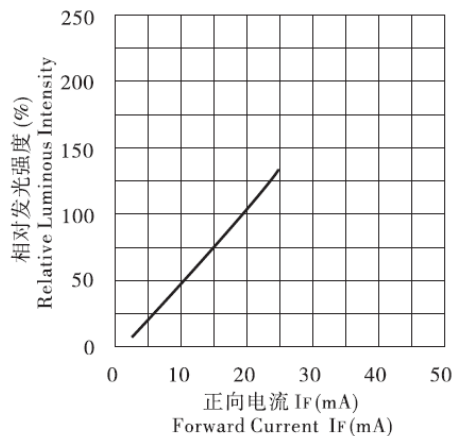
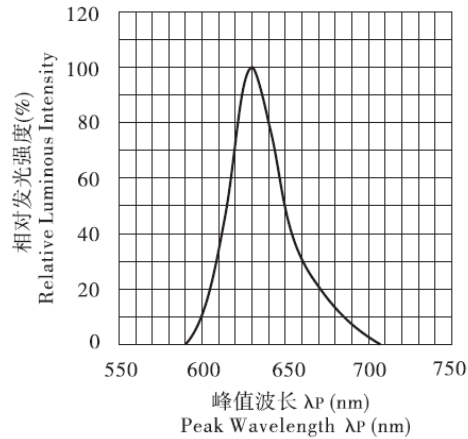
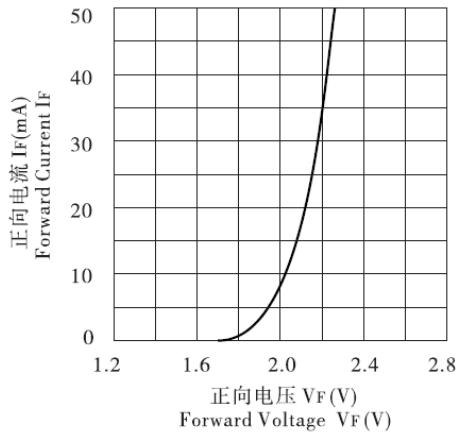
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● E: Orange RED (GaAsP/GaP)

Typical Electro-optical Characteristic Curves
(25 °C Free Air Temperature Unless Otherwise Specified)



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