



American Opto Plus LED Corp.

L324NYGC-20D

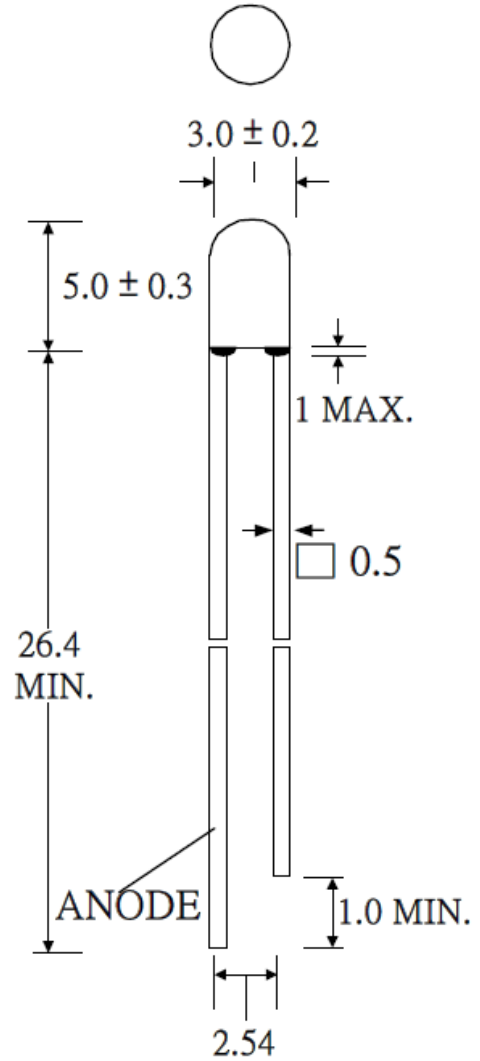
3mm Yellow Green LED Lamp

DESCRIPTION

- Round Type
- T-1 3mm Diameter
- Lens Color: Water Clear
- Without Flange
- Solder leads without standoffs

FEATURES

- Emitted Color: Yellow Green
- High Luminous Intensity
- Technology: AlGaInP
- Peak Wavelength $\lambda_P = 575\text{nm}$
- Viewing Angle: 20°



NOTES:

1. All dimensions are in millimeters.

Part Number	Material	Lens Color	
		Emitted	Lens
L324NYGC-20D	AlGaInP	Yellow Green	Water Clear



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ABSOLUTE MAXIMUM RATINGS

(Ta=25°C)

Parameter	Symbol	Ratings	Unit
Power Dissipation	Pd	120	mW
Peak Pulsed Forward Current	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Operating temperature range	Topr	-40~+85	°C
Storage temperature range	Tstg	-40~+85	°C

Solder temperature range 1.6 mm from body for 3 sec at 260°C.

OPTICAL-ELECTRICAL CHARACTERISTICS

(Ta=25°C)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Luminous Intensity	I _v	I _F =20mA	660	1000	--	mcd
Forward Voltage	V _F		--	2.0	2.4	V
Dominant Wavelength	λ _d		--	572	--	nm
Peak Wavelength	λ _p		--	575	--	nm
Spectrum Radiation Bandwidth	Δλ		--	25	--	nm
Viewing Angle	2θ1/2		--	20	--	deg
Reverse Current	I _R	V _R =5V	--	--	10	μA

*Tolerance of Viewing Angle: -10/+5 deg

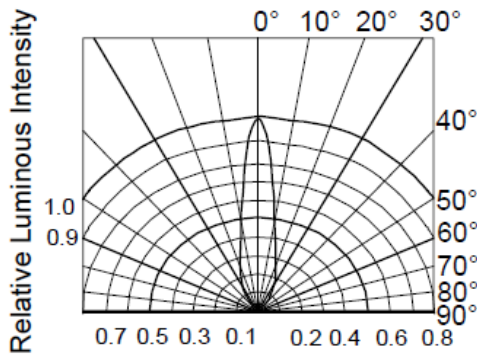


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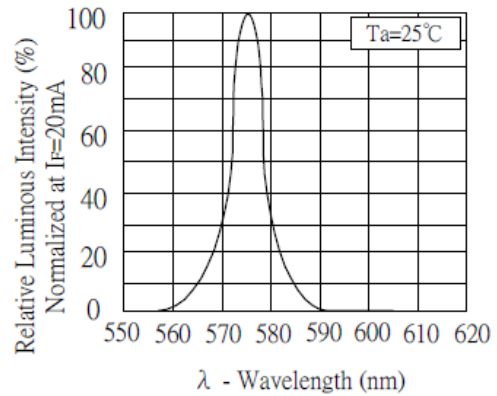
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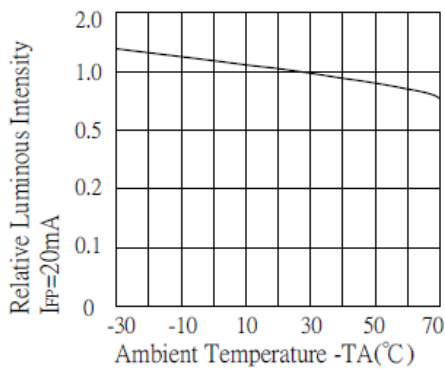
TYPICAL ELECTRICAL-OPTICAL CHARACTERISTIC CURVES



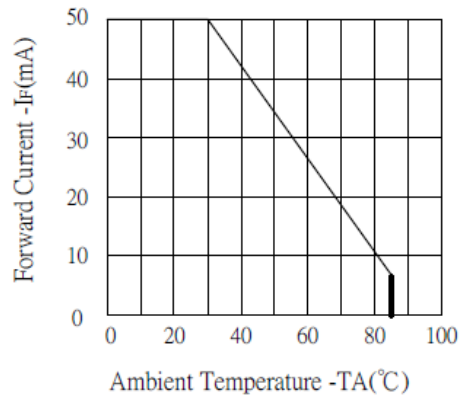
RADIATION DIAGRAM



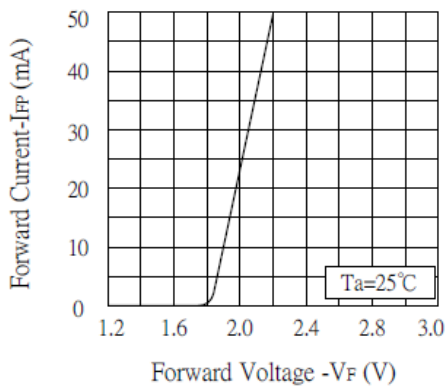
RELATIVE LUMINOUS INTENSITY Vs. WAVELENGTH



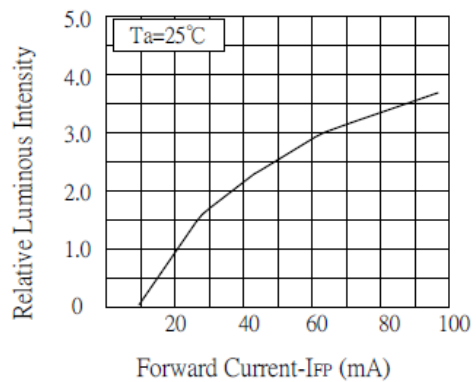
LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE



MAX FORWARD CURRENT Vs. AMBIENT TEMPERATURE



FORWARD CURRENT Vs. FORWARD VOLTAGE



LUMINOUS INTENSITY Vs. FORWARD CURRENT