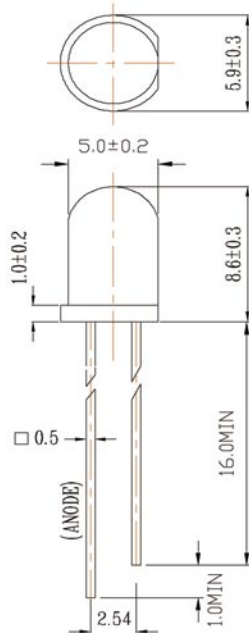


Weight: 0.31g Unit: mm



AND412HG

InGaN High Intensity Blue Gree Light Emission
T-1 3/4 Package (5mm)

Features

- 5 mm (T1-3/4) Package
- Available on tape and reel
- Peak wavelength ($\lambda_P = 505$ nm) high bright emission
- All plastic mold type, clear colorless lens
- Low drive current: 1 to 20 mA DC
- Excellent On-Off contrast ratio
- Fast response time, capable of pulse operation
- High power intensity — suitable for indoor/outdoor applications
- High reliability
- RoHS compliant

Maximum Ratings (Ta - 25 °C)

Characteristic	Symbol	Rating	Unit
Forward Current	I_F	30	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	120	mW
Operating Temperature Range	T_{OPR}	-40 to 85	°C
Storage Temperature Range	T_{STG}	-40 to 100	°C

Electro-Optical Characteristics (Ta = 25°C)

Item	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V_F	$I_F = 20$ mA	–	3.5	4.0	V
Reverse Current	I_R	$V_R = 5$ V	–	–	10	μ A
Luminous Intensity	I_v	$I_F = 20$ mA	1,250	2,200	–	mcd
Peak Emission Wavelength	λ_P	$I_F = 20$ mA	–	505	–	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F = 20$ mA	–	40	–	nm
Dominant Wavelength	λ_d	$I_F = 20$ mA	500	–	510	nm
Full Viewing Angle	$2\theta_{1/2}$	$I_v = 1/2$ Peak	–	12	–	degree

Precaution

Please be careful of the following:

1. Dip soldering temperature: 260°C max
Soldering time: 5 sec. max
Soldering portion of lead: up to 1.6 mm from the body of the device
2. The lead can be formed up to 5 mm from the body of the device without forming stress.
Soldering should be performed after the lead forming.

Product specifications contained herein may be changed without prior notice.

□

