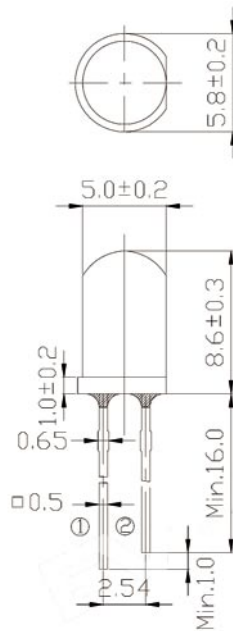


Weight: 0.31g Unit: mm



AND720HW

InGaN High Brightness White Light Emission

T-1 3/4 Package (5mm)

Features

- Popular T-1 3/4 round package
- High luminous power
- Typical chromaticity coordinates x=0.30, y=0.29 according to CIE 1931
- Bulk, available taped on reel
- ESD-withstand voltage: up to 4KV
- RoHS compliant

Applications: message panels, optical indicators, backlighting, marker lights

Maximum Ratings (Ta - 25 °C)

Characteristic	Symbol	Rating	Unit
Forward Current	I _F	30	mA
Reverse Voltage	V _R	5	V
Peak Forward Current (Duty Cycle 1/10 @ 1 KHz)	I _{FP}	100	mA
Power Dissipation	P _D	110	mW
Operating Temperature Range	T _{OPR}	-40 to 85	°C
Storage Temperature Range	T _{STG}	-40 to 100	°C
Soldering Temperature	T _{SOT}	260 ± 5	°C
Electrostatic Discharge	ESD _{HBM}	4,000	V
Zener Reverse Current	I _Z	100	mA

Electro-Optical Characteristics (Ta = 25°C)

Item	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F = 20 mA	2.8	—	3.6	V
Reverse Current	I _R	V _R = 5 V	—	—	50	μA
Luminous Intensity	I _v	I _F = 20 mA	9,000	—	18,000	mcd
Full Viewing Angle	2 θ 1/2	I _F = 20 mA	—	15	—	degrees
Chromaticity Coordinates	X	—	—	0.30	—	
	Y	—	—	0.29	—	
Zener Reverse Voltage	V _Z	I _Z = 5 mA	5.2	—	—	V

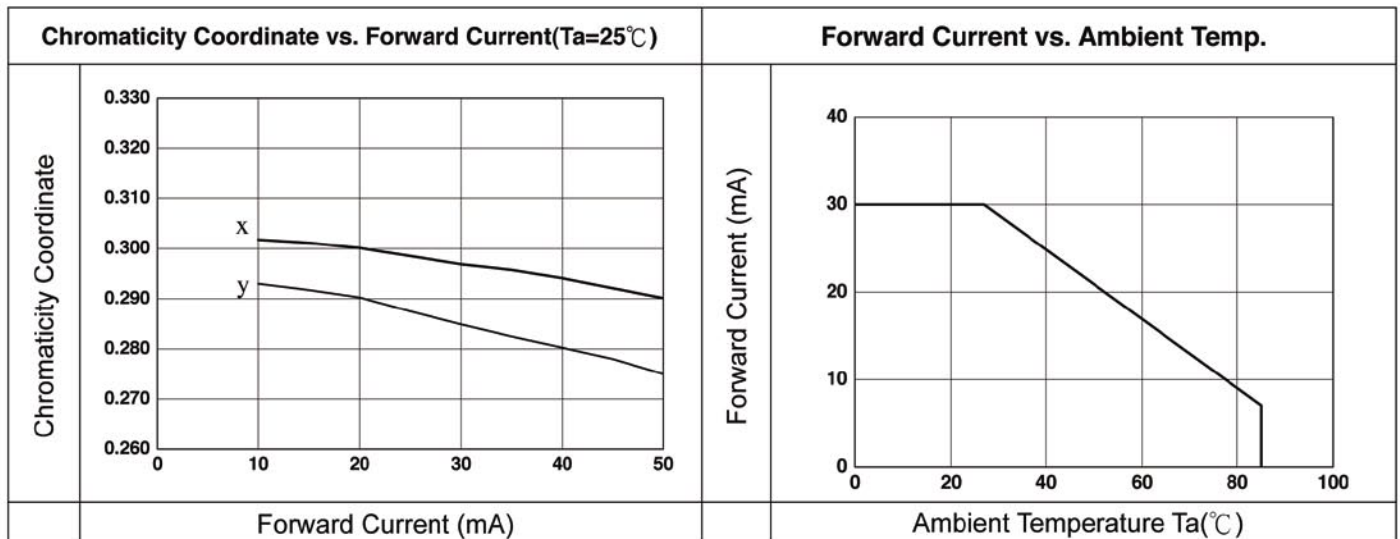
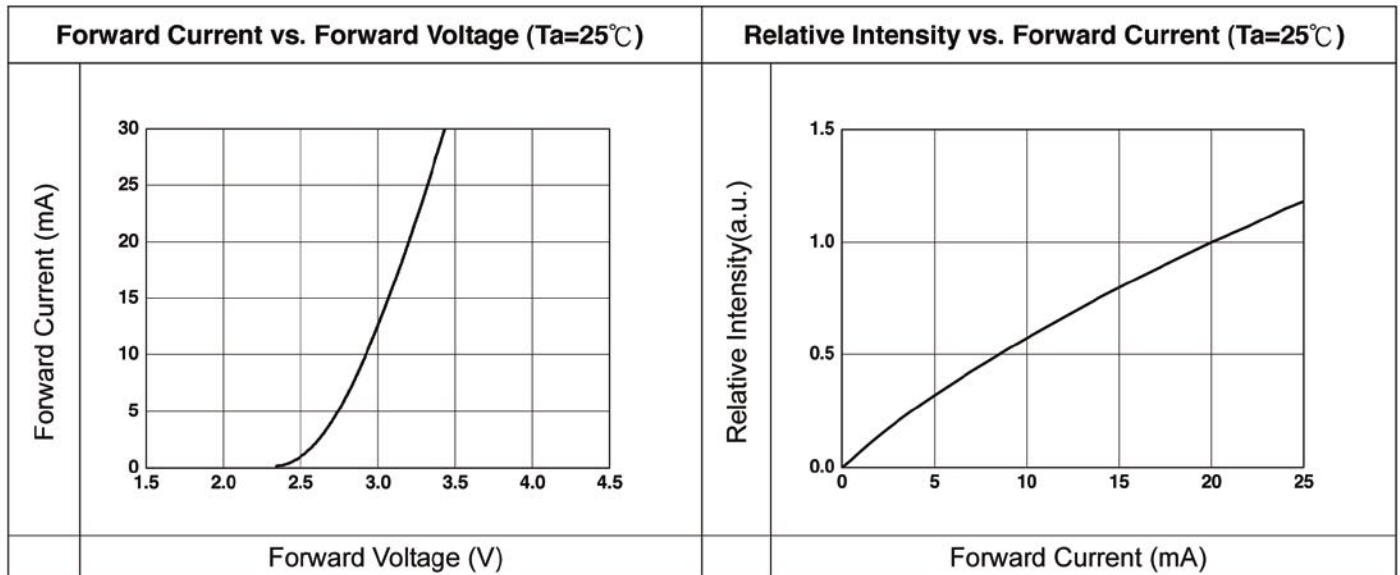
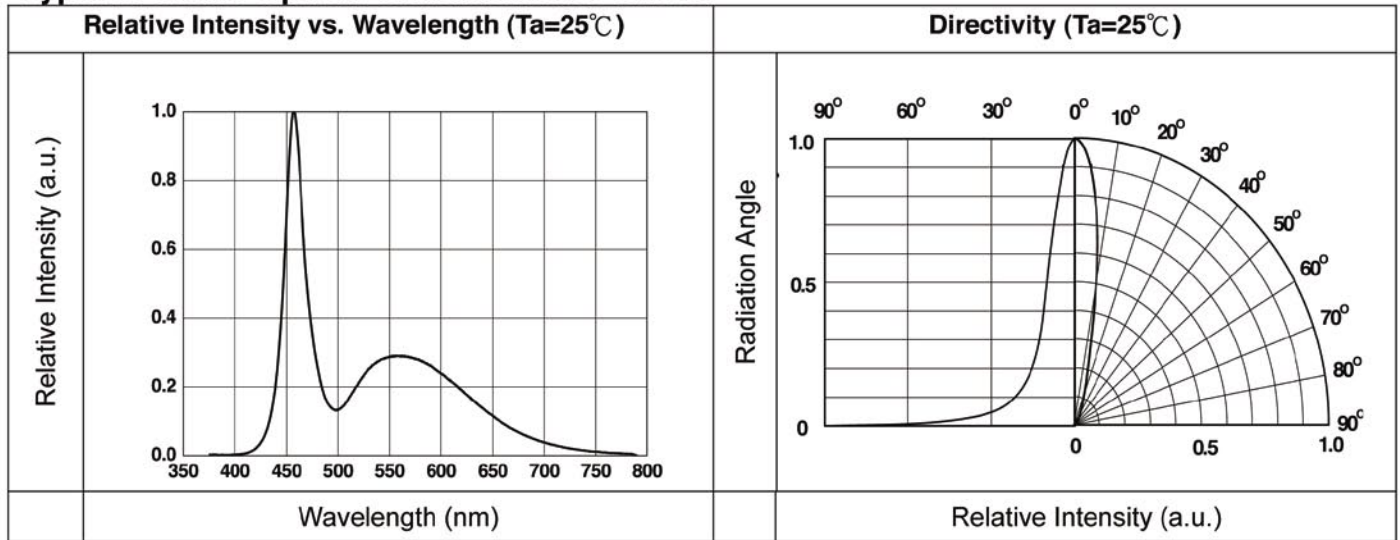
Precaution

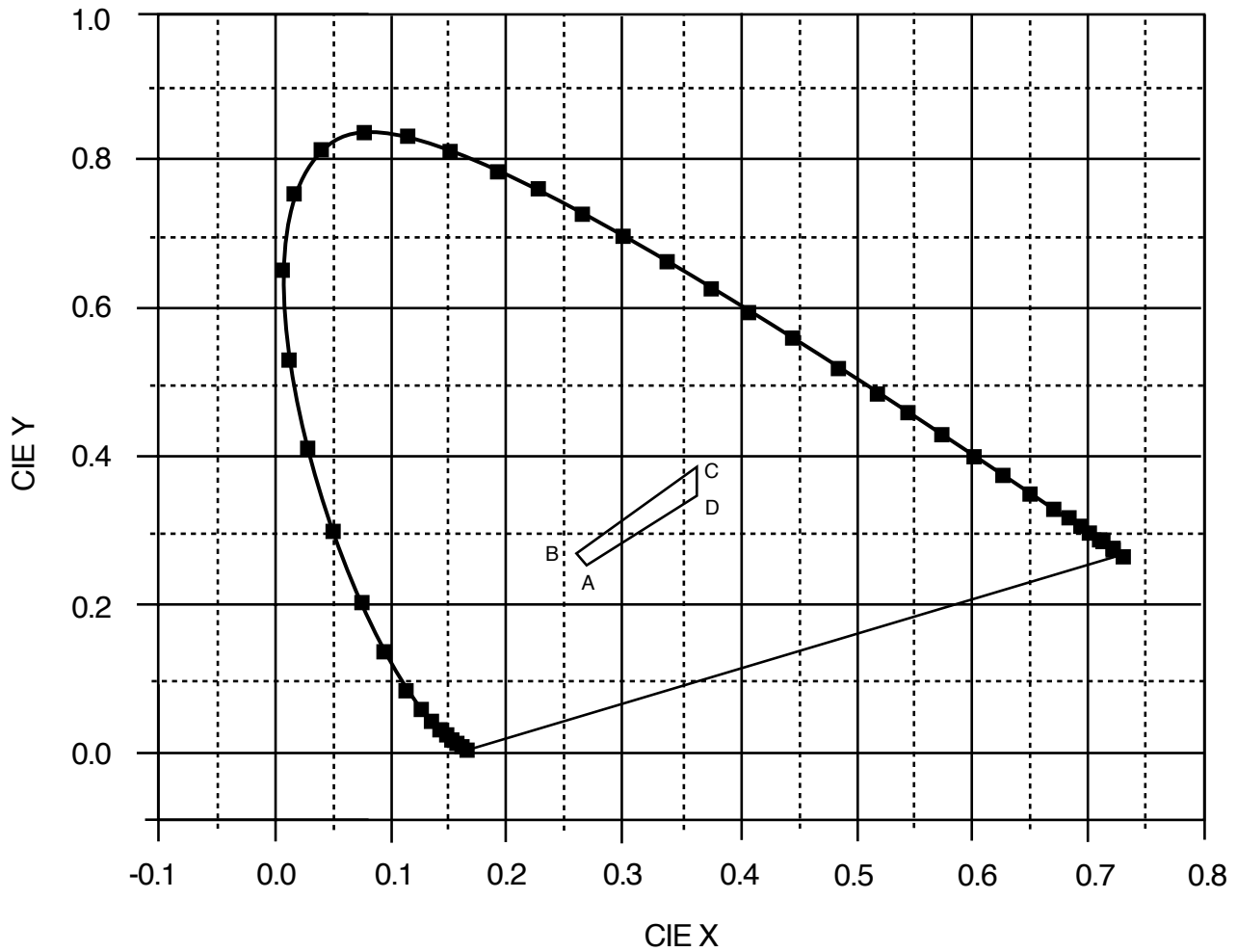
The products are sensitive to static electricity and care must be taken when handling products.

Product specifications contained herein may be changed without prior notice.

□

Typical Electro-Optical Characteristics Curves





Color Ranks (IF=20mA, Ta - 25 °C)

Color Ranks	CIE	
	X	Y
A	0.280	0.248
B	0.264	0.267
C	0.361	0.385
D	0.356	0.351

Measurement uncertainty of the color coordinates: ± 0.01