

## **Excellent Integrated System Limited**

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# Round-Top View Type

## φ 3.0 mm Series

Conventional Part No.	Global Part No.	Lighting Color
LN238RPH	LNG238RFR	Red
LN338GPH	LNG338GFG	Green
LN438YPH	LNG438YFX	Amber
LN838RPH	LNG838RFD	Orange

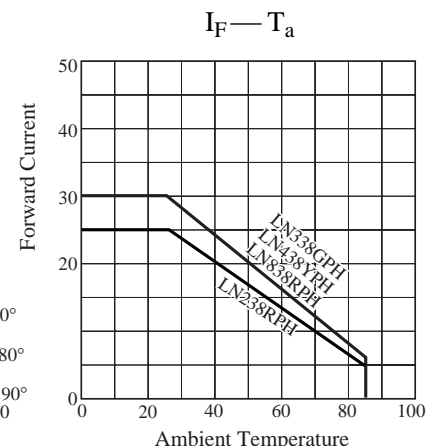
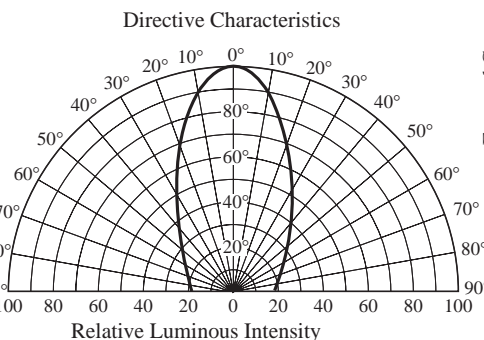
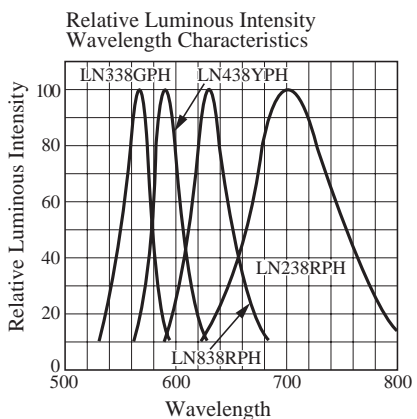
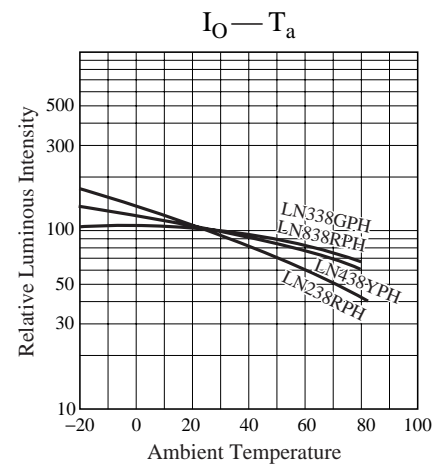
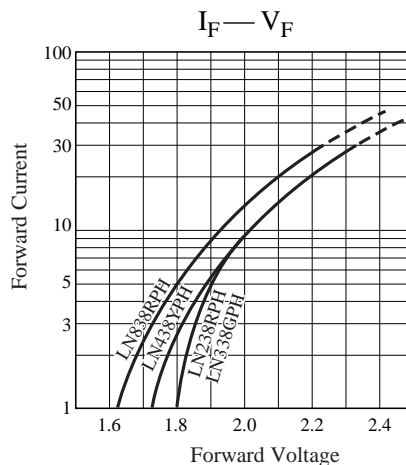
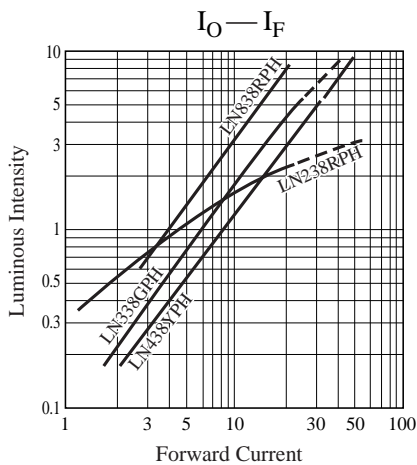
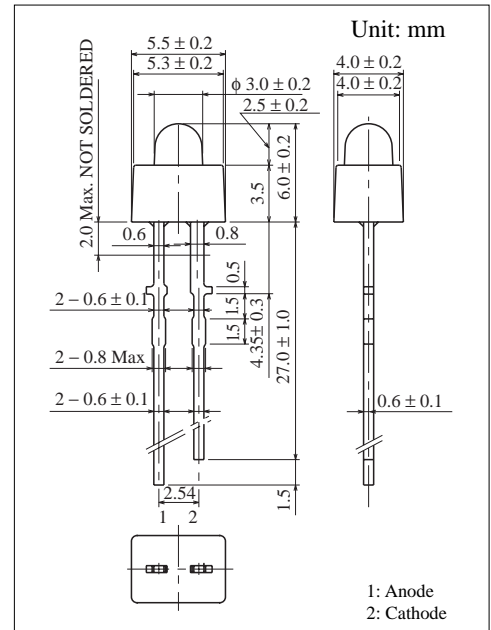
### Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

Lighting Color	P <sub>D</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	V <sub>R</sub> (V)	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
Red	70	25	150	4	-25 ~ +85	-30 ~ +100
Green	90	30	150	4	-25 ~ +85	-30 ~ +100
Amber	90	30	150	4	-25 ~ +85	-30 ~ +100
Orange	90	30	150	3	-25 ~ +85	-30 ~ +100

Pulse width 1 msec. The condition of I<sub>FP</sub> is duty 10%, Pulse width 1 msec

### Electro-Optical Characteristics (T<sub>a</sub> = 25°C)

Conventional Part No.	Lighting Color	Lens Color	I <sub>O</sub>		I <sub>F</sub>	V <sub>F</sub>		λ <sub>P</sub>	Δλ	I <sub>F</sub>	I <sub>R</sub>	
			Typ	Min		Typ	Max				Max	V <sub>R</sub>
LN238RPH	Red	Red Diffused	2.0	1.0	15	2.2	2.8	700	100	20	5	4
LN338GPH	Green	Green Diffused	4.0	1.5	20	2.2	2.8	565	30	20	10	4
LN438YPH	Amber	Amber Diffused	3.0	1.0	20	2.2	2.8	590	30	20	10	4
LN838RPH	Orange	Red Diffused	8.0	3.0	20	2.1	2.8	630	40	20	10	3
Unit	—	—	mcd	mcd	mA	V	V	nm	nm	mA	μA	V



# Caution for Safety

 **DANGER**

Gallium arsenide material (GaAs) is used in this product.

Therefore, do not burn, destroy, cut, crush, or chemically decompose the product, since gallium arsenide material in powder or vapor form is harmful to human health.

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