### Square Type

### $\Box$ 5.0 mm $\times$ 2.0 mm Series

Conventional Part No.	Global Prat No.	Lighting Color
LN248RPH	··· LNG248RFR ···	······ Red
LN348GPH	··· LNG348GFG ···	······ Green
LN448YPH	··· LNG448YFX ···	······ Amber
LN848WPH ······	··· LNG848WFD ··	······ Orange

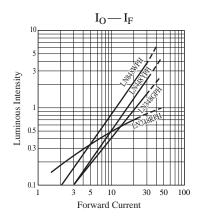
#### Absolute Maximum Ratings ( $T_a = 25^{\circ}C$ )

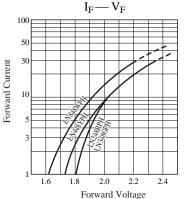
Lighting Color	P <sub>D</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	$V_{R}(V)$	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
Red	70	25	150	4	-25 ~ +85	$-30 \sim +100$
Green	90	30	150	4	-25 ~ +85	$-30 \sim +100$
Amber	90	30	150	4	-25 ~ +85	$-30 \sim +100$
Orange	90	30	150	3	-25 ~ +85	$-30 \sim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

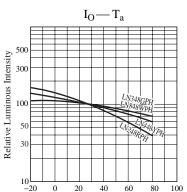
Pulse width 1 msec. The condition of  $\mathrm{I}_{\mathrm{FP}}$  is duty 10%, Pulse width 1 msec

#### Electro–Optical Characteristics ( $T_a = 25^{\circ}C$ )

Conventional	Lighting	Lens Color	Ι <sub>Ο</sub>			V <sub>F</sub>		λ <sub>Ρ</sub> Δλ			I <sub>R</sub>	
Part No.	Color		Тур	Min	۱ <sub>F</sub>	Тур	Max	Тур	Тур	I <sub>F</sub>	Max	V <sub>R</sub>
LN248RPH	Red	Red Diffused	0.6	0.25	15	2.2	2.8	700	100	20	5	4
LN348GPH	Green	Green Diffused	1.0	0.40	20	2.2	2.8	565	30	20	10	4
LN448YPH	Amber	Amber Diffused	1.5	0.60	20	2.2	2.8	590	30	20	10	4
LN848WPH	Orange	White Diffused	2.5	0.90	20	2.1	2.8	630	40	20	10	3
Unit		<u> </u>	mcd	mcd	mA	V	V	nm	nm	mA	μA	V

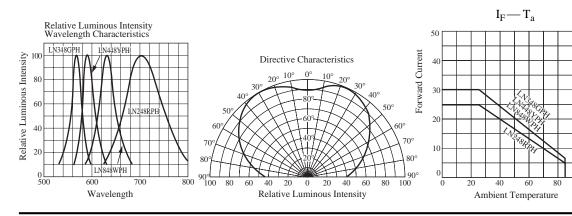


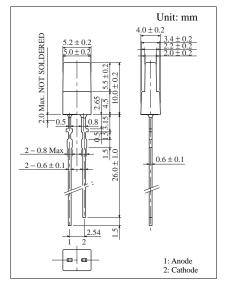






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# ▲ Caution for Safety



## 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.

Observe the relevant laws and regulations when disposing of the products. Do not mix them with ordinary industrial waste or household refuse when disposing of GaAs-containing products.

## Request for your special attention and precautions in using the technical information and semiconductors described in this material

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- (3) The products described in this material are intended to be used for standard applications or general electronic equipment (such as office equipment, communications equipment, measuring instruments and household appliances).

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- Any applications other than the standard applications intended.
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Even when the products are used within the guaranteed values, redundant design is recommended, so that such equipment may not violate relevant laws or regulations because of the function of our products.

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