### Square Type

### $\Box$ 5.7 mm $\times$ 2.7 mm Series

Conventional Part No.	Global Prat No.	Lighting Color
LN249RPX	···· LNG249RKR ····	······ Red
LN349GPX	···· LNG349GKG ···	······ Green
LN449YPX	···· LNG449YKX ···	······ Amber
LN849RPX	···· LNG849RKD ····	······ Orange

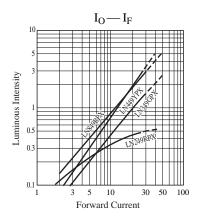
#### Absolute Maximum Ratings ( $T_a = 25^{\circ}C$ )

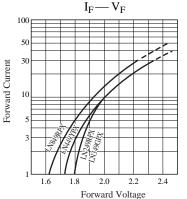
Lighting Color	P <sub>D</sub> (mW)	l <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	$V_{R}(V)$	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
Red	70	25	150	4	-25 ~ +85	-30 ~ +100
Green	90	30	150	4	-25 ~ +85	$-30 \sim +100$
Amber	90	30	150	4	-25 ~ +85	$-30 \sim +100$
Orange	90	30	150	3	-25 ~ +85	$-30 \sim +100$

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

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

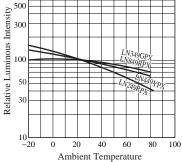
Conventional	Lighting	Lens Color	lo			V <sub>F</sub>		λ <sub>Ρ</sub> Δλ			I <sub>R</sub>	
Part No.	Color		Тур	Min	I <sub>F</sub>	Тур	Max	Тур	Тур	I <sub>F</sub>	Max	V <sub>R</sub>
LN249RPX	Red	Red Diffused	0.4	0.15	15	2.2	2.8	700	100	20	5	4
LN349GPX	Green	Green Diffused	1.0	0.40	20	2.2	2.8	565	30	20	10	4
LN449YPX	Amber	Amber Diffused	2.0	0.75	20	2.2	2.8	590	30	20	10	4
LN849RPX	Orange	Red Diffused	2.0	0.75	20	2.1	2.8	630	40	20	10	3
Unit		<u> </u>	mcd	mcd	mA	V	V	nm	nm	mA	μA	V

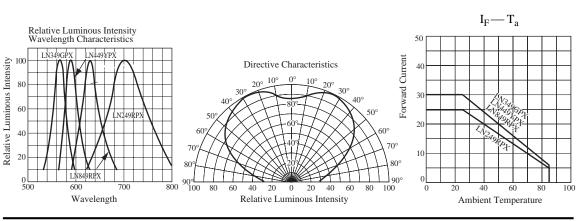


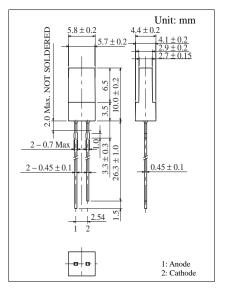




 $I_0 - T_a$ 







# ▲ 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.

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