### Square Type

### $\square$ 4.0 mm $\times$ 2.0 mm Series

Conventional Part No.	Global Prat No.	Lighting Color
LN251RCPP ······	LNG251LBR ·······	···· Red
LN351GCPP ·····	LNG351MBG ······	··· Green
LN451YCPP ·····	LNG451NBX ······	··· Amber
LN851RCPP	LNG851LBD	···· Orange

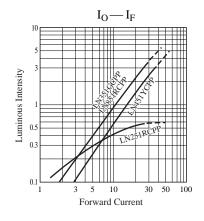
### ■ Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

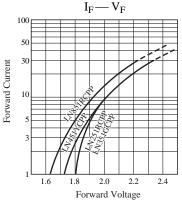
Lighting Color	P <sub>D</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	$V_R(V)$	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
Red	70	25	150	4	-25 ~ +85	-30 ~ +100
Green	90	30	150	4	-25 ~ +85	-30 ~ +100
Amber	90	30	150	4	-25 ~ +85	-30 ~ +100
Orange	90	30	150	3	<b>−25</b> ~ <b>+85</b>	-30 ~ +100

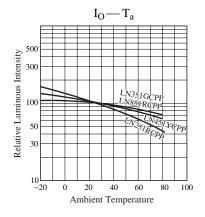
Pulse width 1 msec. The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec

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

Conventional	Lighting	Lens Color	Io			V <sub>F</sub>		$\lambda_{P}$	Δλ		l,	₹
Part No.	Color		Тур	Min	$I_{F}$	Тур	Max	Тур	Тур	$I_{F}$	Max	$V_R$
LN251RCPP	Red	Red Clear	0.5	0.2	15	2.2	2.8	700	100	20	5	4
LN351GCPP	Green	Green Clear	2.5	1.0	20	2.2	2.8	565	30	20	10	4
LN451YCPP	Amber	Amber Clear	1.5	0.6	20	2.2	2.8	590	30	20	10	4
LN851RCPP	Orange	Red Clear	2.5	1.0	20	2.1	2.8	630	40	20	10	3
Unit			mcd	mcd	mA	V	V	nm	nm	mA	μA	V







Unit: mm

 $2.0 \pm 0.2$ 

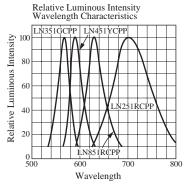
 $0.5 \pm 0.1$ 

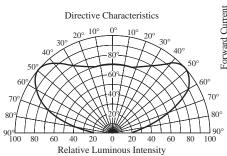
1: Anode 2: Cathode

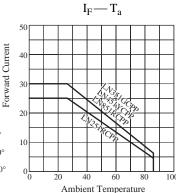
2 Max. NOT SOLDERED

 $2-0.5\pm0.1$ 

 $4.0 \pm 0.2$ 







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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.

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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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