Square Type

\Box 5.0 mm \times 5.0 mm Series

Conventional Part No.	Global Prat No.	Lighting Color
LN250RP	···· LNG250RDR ····	······ Red
LN350GP	···· LNG350GDG ···	······ Green
LN450YP	···· LNG450YDX ···	Amber
LN850RP	LNG850RDD	······ Orange

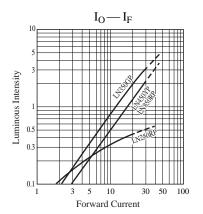
Absolute Maximum Ratings ($T_a = 25^{\circ}C$)

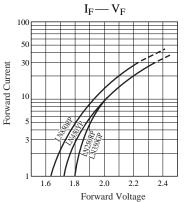
Lighting Color	P _D (mW)	l _F (mA)	I _{FP} (mA)*	$V_{R}(V)$	T _{opr} (°C)	T _{stg} (°C)
Red	70	25	150	4	-25 ~ +85	$-30 \sim +100$
Green	90	30	150	4	-25 ~ +85	$-30 \sim +100$
Amber	90	30	150	4	-25 ~ +85	$-30 \sim +100$
Orange	90	30	150	3	-25 ~ +85	$-30 \sim +100$

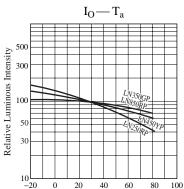
Pulse width 1 msec. The condition of I_{FP} is duty 10%, Pulse width 1 msec

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

Conventional	Lighting	Lens Color	Ι _Ο			V _F		λ _P Δλ			I _R	
Part No.	Color		Тур	Min	l I _F	Тур	Max	Тур	Тур	I _F	Max	V_{R}
LN250RP	Red	Red Diffused	0.4	0.15	15	2.2	2.8	700	100	20	5	4
LN350GP	Green	Green Diffused	2.0	0.75	20	2.2	2.8	565	30	20	10	4
LN450YP	Amber	Amber Diffused	1.5	0.60	20	2.2	2.8	590	30	20	10	4
LN850RP	Orange	Red Diffused	1.5	0.60	20	2.1	2.8	630	40	20	10	3
Unit			mcd	mcd	mA	V	V	nm	nm	mA	μΑ	V



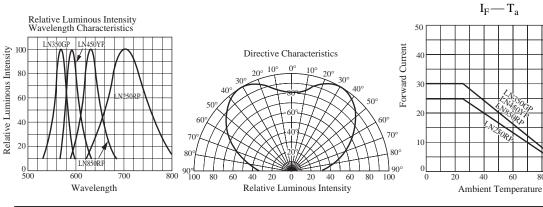


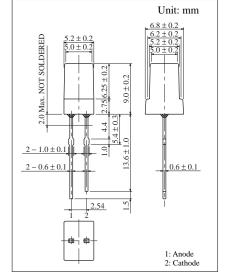


Ambient Temperature

60

80





100

▲ 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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- Any applications other than the standard applications intended.
- (4) The products and product specifications described in this material are subject to change without notice for reasons of modification and/or improvement. At the final stage of your design, purchasing, or use of the products, therefore, ask for the most up-to-date Product Standards in advance to make sure that the latest specifications satisfy your requirements.
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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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