Square Type

\Box 5.0 mm \times 2.0 mm Series

Conventional Part No.	Global Prat No.	Lighting Color
LN242RPH ······	··· LNG242RFR ···	······ Red
LN342GPH	··· LNG342GFG ···	······ Green
LN442YPH ······	··· LNG442YFX ···	Amber
LN842RPH	··· LNG842RFD ···	······ Orange

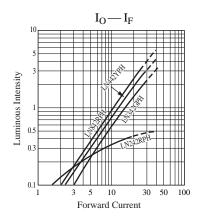
Absolute Maximum Ratings ($T_a = 25^{\circ}C$)

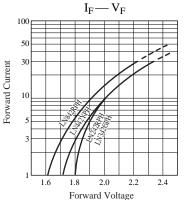
Lighting Color	P _D (mW)	l _F (mA)	I _{FP} (mA)*	$V_{R}(V)$	T _{opr} (°C)	T _{stg} (°C)
Red	70	25	150	4	-25 ~ +85	-30 ~ +100
Green	90	30	150	4	-25 ~ +85	$-30 \sim +100$
Amber	90	30	150	4	-25 ~ +85	-30 ~ +100
Orange	90	30	150	3	-25 ~ +85	$-30 \sim +100$

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	λ _P	η Δλ		I _R	
Part No.	Color	2010	Тур	Min	I _F	Тур	Max	Тур	Тур	I _F	Max	V _R
LN242RPH	Red	Red Diffused	0.4	0.15	15	2.2	2.8	700	100	20	5	4
LN342GPH	Green	Green Diffused	1.5	0.50	20	2.2	2.8	565	30	20	10	4
LN442YPH	Amber	Amber Diffused	2.0	0.75	20	2.2	2.8	590	30	20	10	4
LN842RPH	Orange	Red Diffused	2.5	1.00	20	2.1	2.8	630	40	20	10	3
Unit		<u> </u>	mcd	mcd	mA	V	V	nm	nm	mA	μA	V







Unit: mm

 $1_{0.6 \pm 0.1}$

1: Anode 2: Cathode

 2.0 ± 0.2

 2.2 ± 0.2

 7.5 ± 0.2

 26.5 ± 1

54 🖸

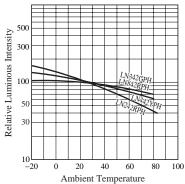
2.0 Max. NOT SOLDERED

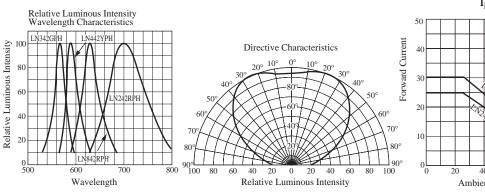
2 – 0.8 Ma

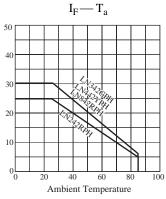
 $2-0.6\pm0.1$

 5.2 ± 0.2

 5.0 ± 0.2







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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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