### Square Type

### $\square$ 1.0 mm $\times$ 2.0 mm Series

Conventional Part No.	Global Prat No.	Lighting Color
LN281RPX	··· LNG281RKR ···	······ Red
LN381GPX	··· LNG381GKG ··	····· Green
LN481YPX	··· LNG481YKX ··	····· Amber
LN881RPX	LNG881RKD	······ Orange

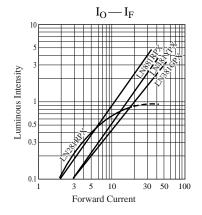
#### ■ Absolute Maximum Ratings $(T_a = 25^{\circ}C)$

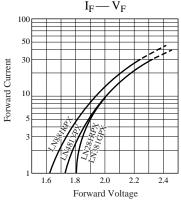
Lighting Color	$P_D(mW)$	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	$V_R(V)$	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
Red	70	25	150	4	<b>−25 ~ +85</b>	-30 ~ +100
Green	90	30	150	4	-25 ~ +85	-30 ~ +100
Amber	90	30	150	4	-25 ~ +85	-30 ~ +100
Orange	90	30	150	3	-25 ~ +85	-30 ~ +100

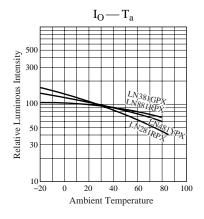
Pulse width 1 msec. The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec

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

Conventional	Lighting	Lens Color	Io			V <sub>F</sub>		λ <sub>P</sub>	Δλ		I <sub>R</sub>	
Part No.	Color	Lens color	Тур	Min	I <sub>F</sub>	Тур	Max	Тур	Тур	I <sub>F</sub>	Max	$V_R$
LN281RPX	Red	Red Diffused	0.8	0.3	15	2.2	2.8	700	100	20	5	4
LN381GPX	Green	Green Diffused	1.0	0.4	20	2.2	2.8	565	30	20	10	4
LN481YPX	Amber	Amber Diffused	1.5	0.6	20	2.2	2.8	590	30	20	10	4
LN881RPX	Orange	Red Diffused	2.5	0.9	20	2.1	2.8	630	40	20	10	3
Unit			mcd	mcd	mA	V	V	nm	nm	mA	μA	V







Unit: mm

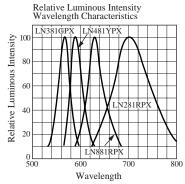
 $0.45 \pm 0.1$ 

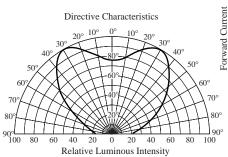
1: Anode 2: Cathode

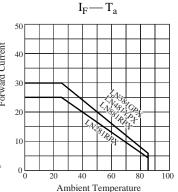
 $2.0 \pm {}^{0.1}_{0.2}$ 

2 Max. NOT SOLDERED

2 – 0.6 Ma







Panasonic 221

# 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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