

# Square Type

## □ 1.75 mm × 7.0 mm Series

Conventional Part No.	Global Part No.	Lighting Color
LN220RPH	LNG220RFR	Red
LN320GPH	LNG320GFG	Green
LN420YPH	LNG420YFX	Amber
LN820RPH	LNG820RFD	Orange

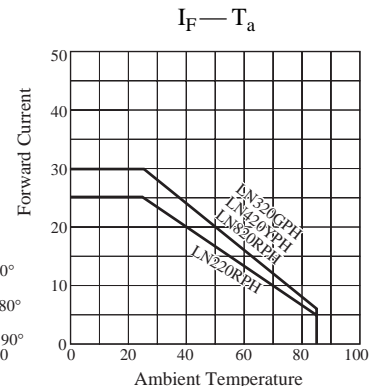
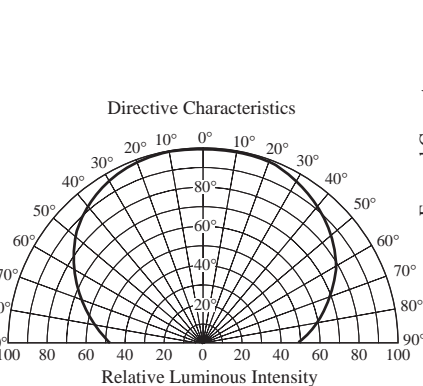
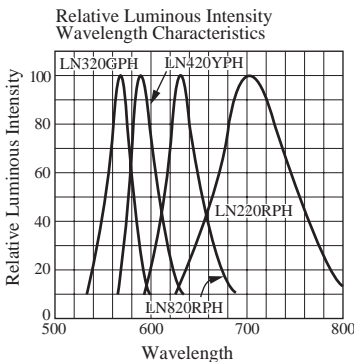
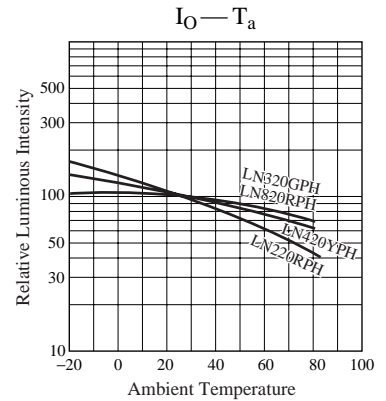
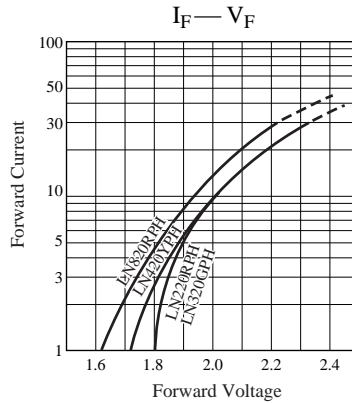
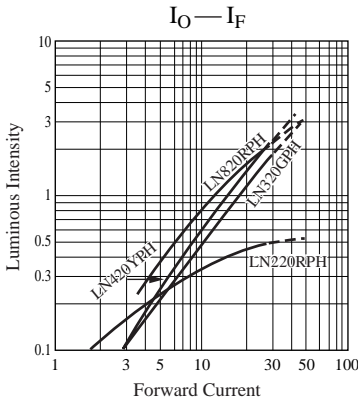
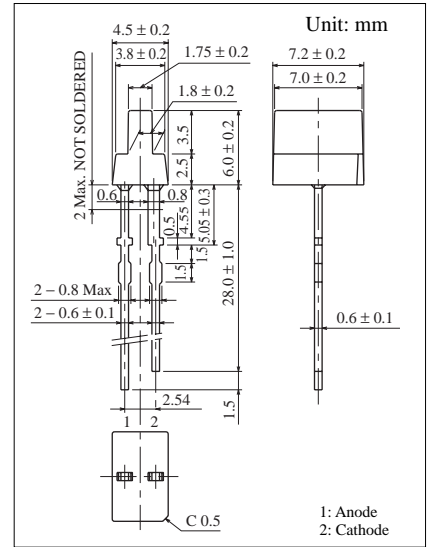
### ■ Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Lighting Color	$P_D$ (mW)	$I_F$ (mA)	$I_{FP}$ (mA)*	$V_R$ (V)	$T_{opr}$ ( $^\circ\text{C}$ )	$T_{stg}$ ( $^\circ\text{C}$ )
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	-25 ~ +85	-30 ~ +100

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

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

Conventional Part No.	Lighting Color	Lens Color	$I_O$			$V_F$		$\lambda_p$	$\Delta\lambda$	$I_F$	$I_R$	
			Typ	Min	$I_F$	Typ	Max				Max	$V_R$
LN220RPH	Red	Red Diffused	0.4	0.15	15	2.2	2.8	700	100	20	5	4
LN320GPH	Green	Green Diffused	1.2	0.50	20	2.2	2.8	565	30	20	10	4
LN420YPH	Amber	Amber Diffused	1.5	0.50	20	2.2	2.8	590	30	20	10	4
LN820RPH	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	$\mu\text{A}$	V



# Caution for Safety

 **DANGER**

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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