

Square Type

□ 3.0 mm × 7.0 mm Series

Conventional Part No.	Global Part No.	Lighting Color
LN216RPH	LNG216RFR	Red
LN316GPH	LNG316GFG	Green
LN416YPH	LNG416YFX	Amber
LN816RPH	LNG816RFD	Orange

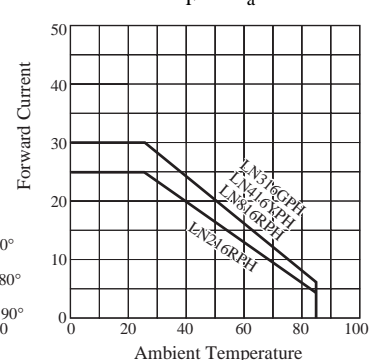
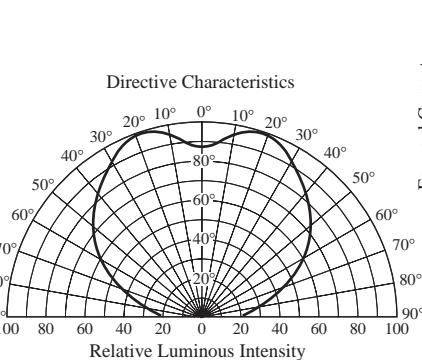
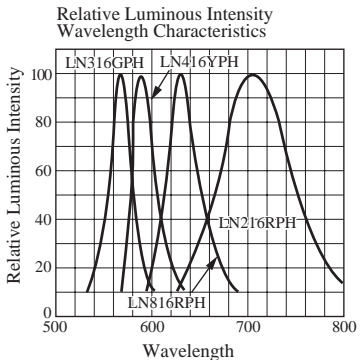
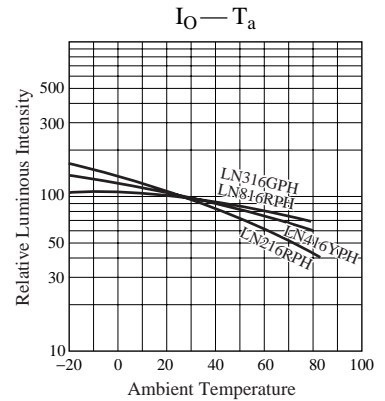
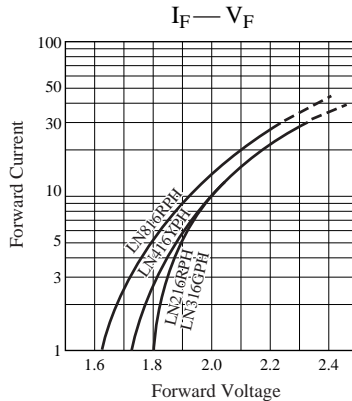
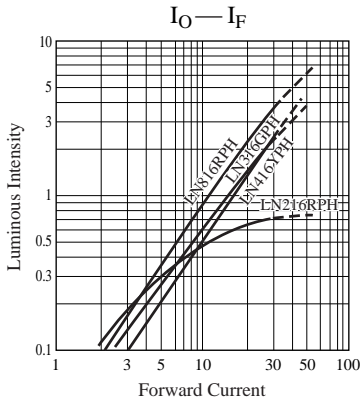
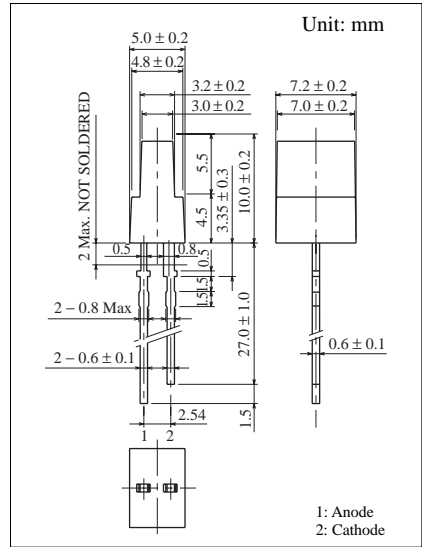
■ Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

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		λ_P	$\Delta\lambda$	I_F	I_R	
			Typ	Min	I_F	Typ	Max				Max	V_R
LN216RPH	Red	Red Diffused	0.5	0.2	15	2.2	2.8	700	20	20	5	4
LN316GPH	Green	Green Diffused	1.5	0.6	20	2.2	2.8	565	30	20	10	4
LN416YPH	Amber	Amber Diffused	1.5	0.6	20	2.2	2.8	590	30	20	10	4
LN816RPH	Orange	Red Diffused	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



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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