

# Square Type

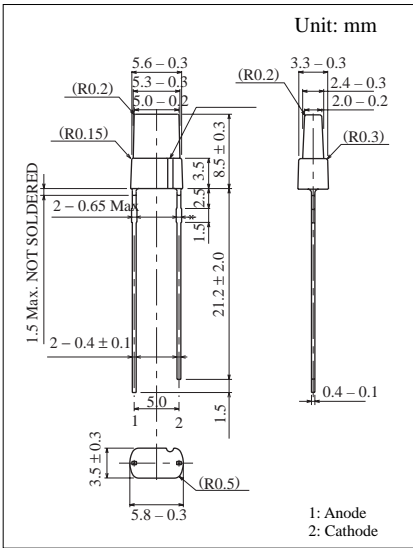
## Direct Joint Type

Conventional Part No.      Global Part No.      Lighting Color  
 LNG302GPU ..... LNG302GPU ..... Green Clear  
 LNG802RPD ..... LNG802RPD ..... Orange Clear  
 LNG802SPS ..... LNG802SPS ..... Orange Clear

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

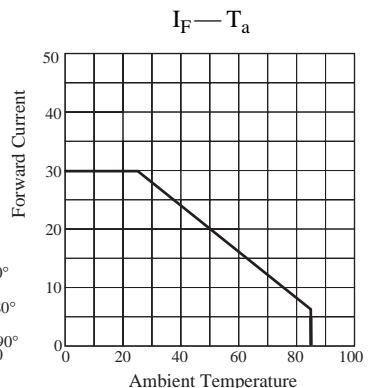
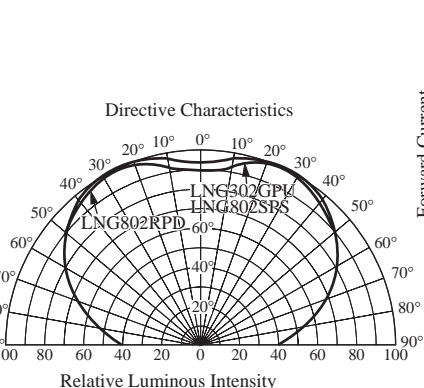
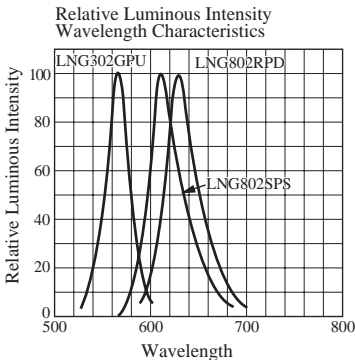
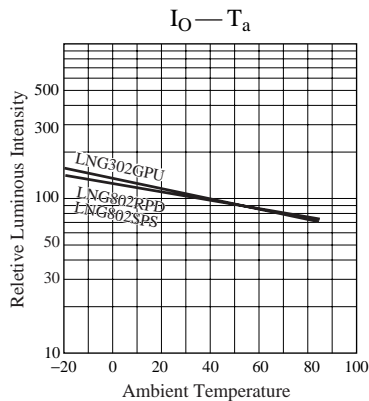
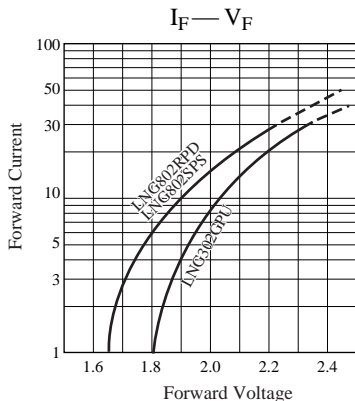
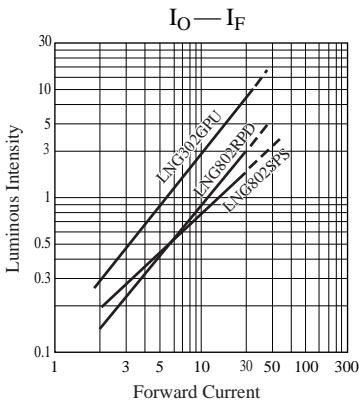
Lighting Color	$P_D$ (mW)	$I_F$ (mA)	$I_{FP}$ (mA)*	$V_R$ (V)	$T_{opr}$ ( $^\circ\text{C}$ )	$T_{stg}$ ( $^\circ\text{C}$ )
Green Clear	90	30	150	4	-25 ~ +85	-30 ~ +100
Orange Clear	90	30	150	3	-25 ~ +85	-30 ~ +100
Orange Clear	90	30	150	3	-25 ~ +85	-30 ~ +100

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	$I_O$		$I_F$	$V_F$		$\lambda_p$	$\Delta\lambda$	$I_F$	$I_R$	
			Typ	Min		Typ	Max				Max	$V_R$
LNG302GPU	Green	Green Clear	5.0	1.5	20	2.2	2.8	565	30	20	10	4
LNG802RPD	Orange	Red Clear	1.5	0.5	20	2.1	2.8	630	40	20	10	3
LNG802SPS	Orange	Red Clear	2.1	2.8	20	1.5	0.5	610	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.

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