

# Surface Mounting Chip LED

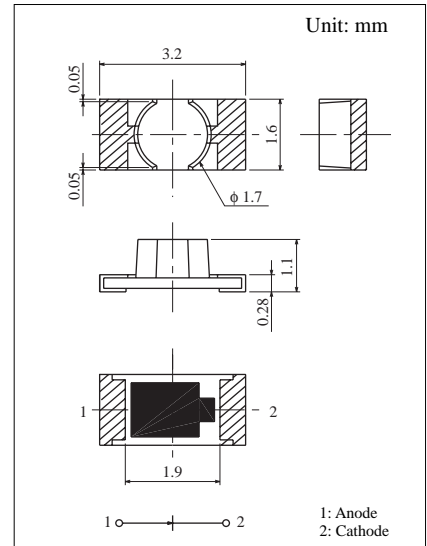
## Through-The-Board Type

Conventional Part No.      Global Part No.      Lighting Color  
 LNJ211R8ARU ..... LNJ211R8ARU ..... Red  
 LNJ311G8TRU ..... LNJ311G8TRU ..... Green  
 LNJ411K8YRU ..... LNJ411K8YRU ..... Amber

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

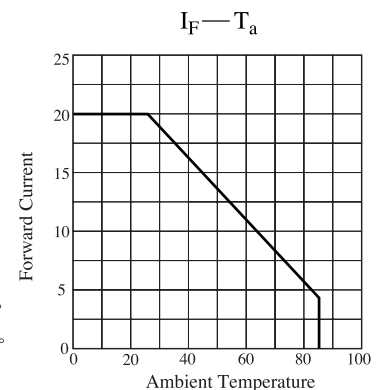
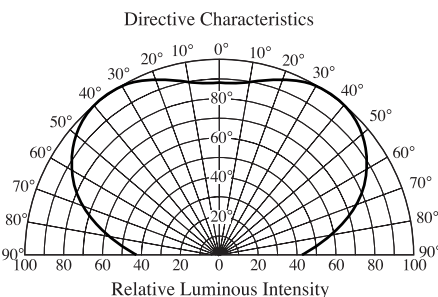
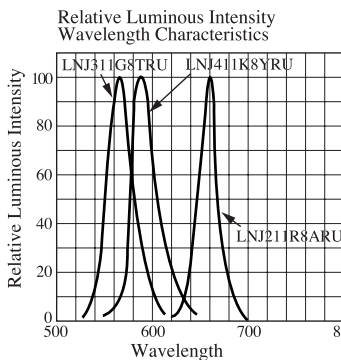
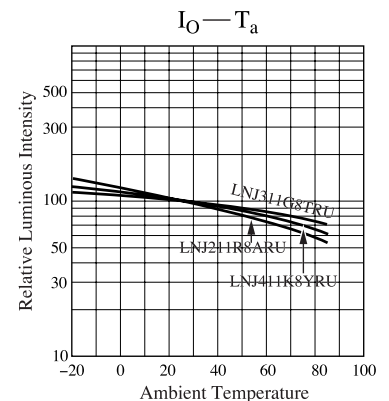
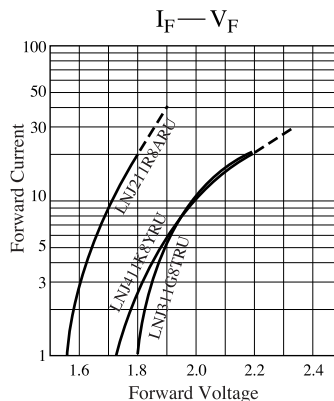
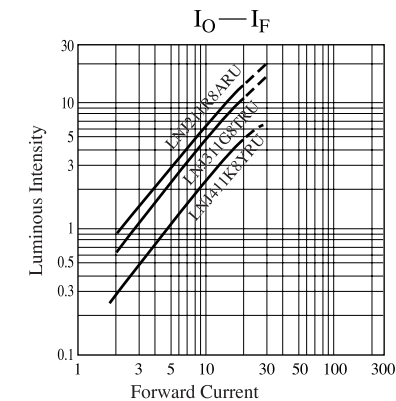
Lighting Color	$P_D$ (mW)	$I_F$ (mA)	$I_{FP}$ (mA)*	$V_R$ (V)	$T_{opr}$ ( $^\circ\text{C}$ )	$T_{stg}$ ( $^\circ\text{C}$ )
Red	60	20	100	3	-30 ~ +85	-40 ~ +100
Green	60	20	100	4	-30 ~ +85	-40 ~ +100
Amber	60	20	100	4	-30 ~ +85	-40 ~ +100

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	$V_R$
LNJ211R8ARU	Red	Red Diffused	7.0	2.3	10	1.72	2.5	660	20	10	100	3
LNJ311G8TRU	Green	Green Diffused	5.5	1.8	10	2.03	2.6	565	30	10	10	4
LNJ411K8YRU	Amber	Yellow Diffused	2.2	0.75	10	2.0	2.6	590	30	10	10	4
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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