

Surface Mounting Chip LED

TSS Type

Global Part No.	Conventional Part No.	Lighting Color
LNJ212R8ARA	LNJ212R8ARA	Red
LNJ312G8LRA	LNJ312G8LRA	Green
LNJ312G8TRA	LNJ312G8TRA	Green
LNJ412K8YRA	LNJ412K8YRA	Amber
LNJ812R8DRA	LNJ812R8DRA	Orange
LNJ812K8SRA	LNJ812K8SRA	Soft Orange

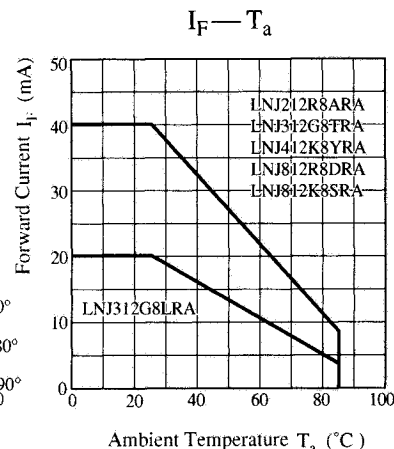
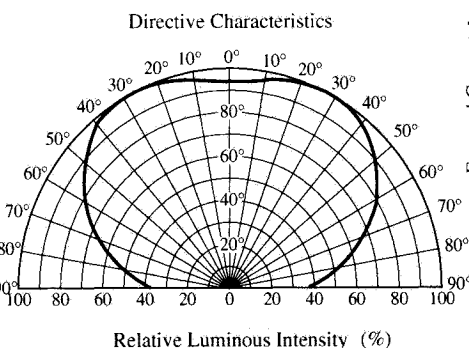
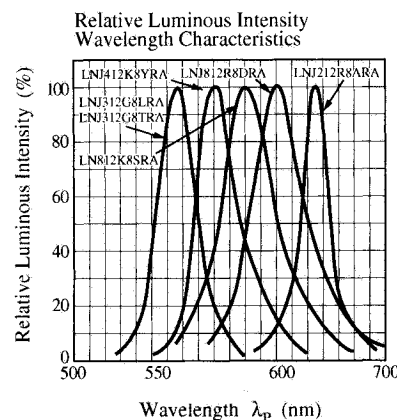
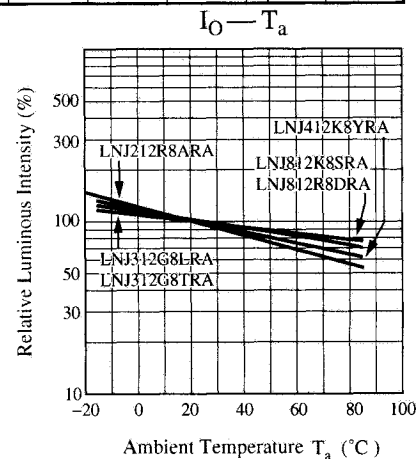
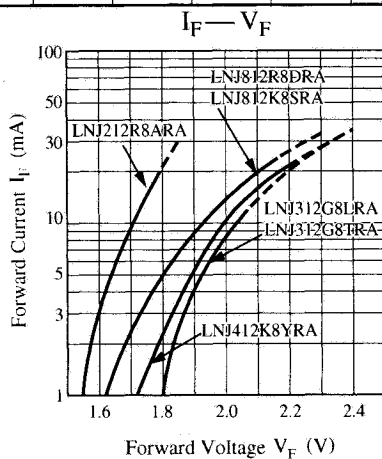
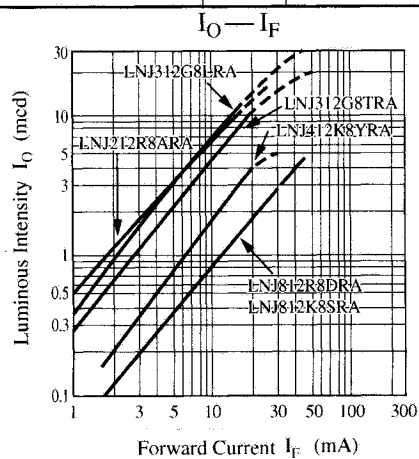
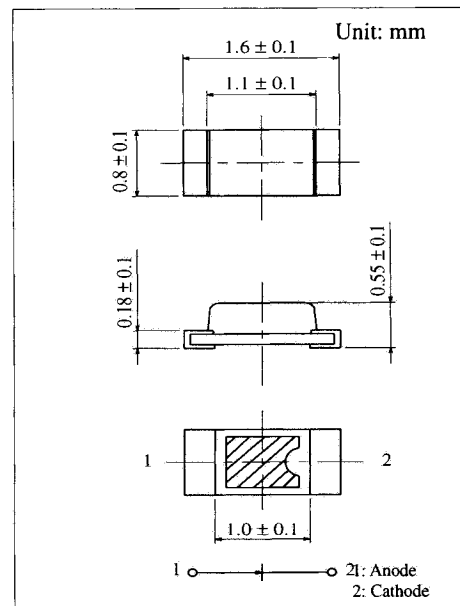
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

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	50	20	60	4	-30 ~ +85	-40 ~ +100
Green	30	10	50	4	-30 ~ +85	-40 ~ +100
Green	50	20	60	4	-30 ~ +85	-40 ~ +100
Amber	50	20	60	4	-30 ~ +85	-40 ~ +100
Orange	50	20	60	3	-30 ~ +85	-40 ~ +100
Soft Orange	50	20	60	3	-30 ~ +85	-40 ~ +100

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

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

Global Part No.	Lighting Color	Lens Color	I_O		I_F	V_F		λ_p	$\Delta\lambda$	I_F	I_R	
			Typ	Min		Typ	Max				Max	V_R
LNJ212R8ARA	Red	Red Diffused	6.7	2.2	10	1.72	2.5	655	20	10	100	3
LNJ312G8LRA	Green	Green Diffused	3.0	1.5	5	1.9	2.4	565	30	5	10	4
LNJ312G8TRA	Green	Green Diffused	5.0	1.8	10	2.03	2.6	565	30	10	10	4
LNJ412K8YRA	Amber	Yellow Diffused	1.5	0.6	10	2.0	2.6	59	30	10	10	4
LNJ812R8DRA	Orange	Orange Diffused	1.0	0.4	10	1.93	2.6	630	40	10	10	3
LNJ812K8SRA	Soft Orange	Yellow Diffused	1.0	0.4	10	1.93	2.6	610	40	10	10	3
Unit	—	—	mcd	mcd	mA	V	V	nm	nm	mA	μA	V



Caution for Safety

 **DANGER**

■ This product contains Gallium Arsenide (GaAs).

GaAs powder and vapor are hazardous to human health if inhaled or ingested. Do not burn, destroy, cut, cleave off, or chemically dissolve the product. Follow related laws and ordinances for disposal. The product should be excluded from general industrial waste or household garbage.

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