

# Surface Mounting Chip Led

## J Type

Conventional Part No.	Global Part No.	Lighting Color
LN1251C – (TR)	LNJ251C4RRA	Red
LN1351C – (TR)	LNJ351C4GRA	Green
LN1451C – (TR)	LNJ451C4XRA	Amber
LN1851C – (TR)	LNJ851C4DRA	Orange

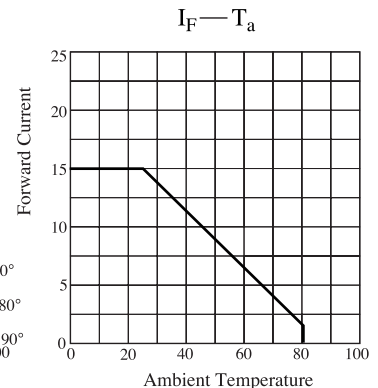
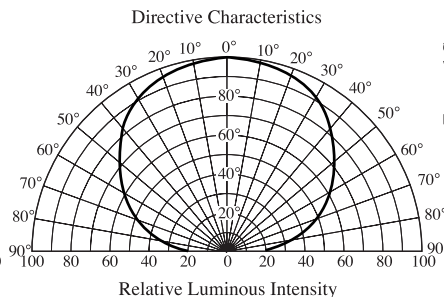
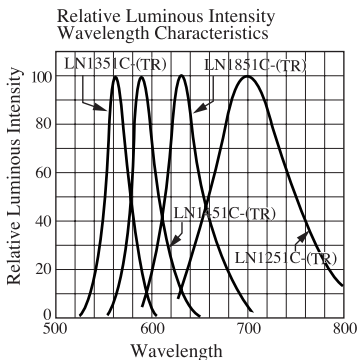
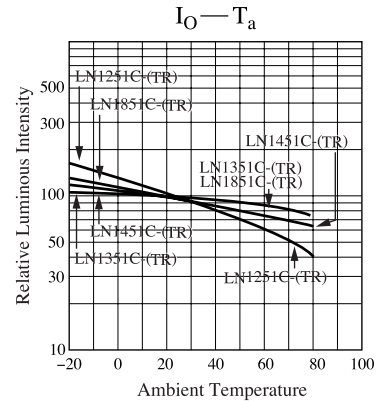
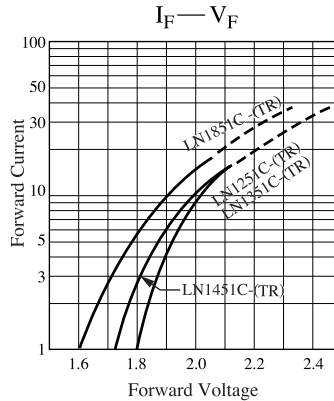
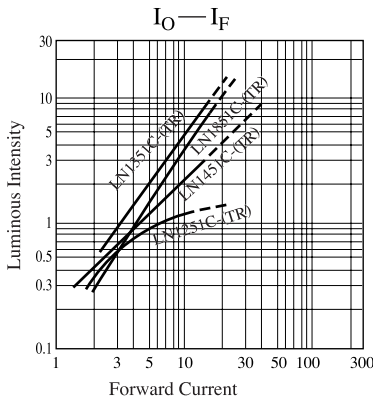
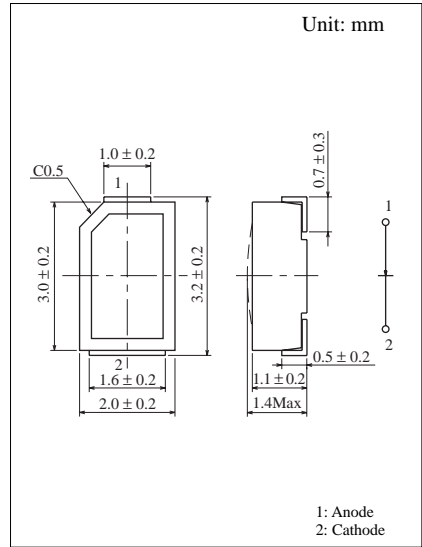
### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

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	45	15	60	4	-25 ~ +80	-30 ~ +85
Green	45	15	60	4	-25 ~ +80	-30 ~ +85
Amber	45	15	60	4	-25 ~ +80	-30 ~ +85
Orange	45	15	60	3	-25 ~ +80	-30 ~ +85

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	$V_R$
LN1251C – (TR)	Red	Clear	1.2	0.45	10	2.1	2.8	700	100	15	5	4
LN1351C – (TR)	Green	Clear	5.0	1.9	10	2.1	2.8	565	30	15	10	4
LN1451C – (TR)	Amber	Clear	2.2	0.8	10	2.1	2.8	590	30	15	10	4
LN1851C – (TR)	Orange	Clear	3.5	1.3	10	2.05	2.8	630	40	15	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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