

# Surface Mounting Chip LED

## S-GW Type

Conventional Part No.	Global Part No.	Lighting Color
LN1271R – (TR)	LNJ206R5RRW	Red
LN1371G – (TR)	LNJ306G5URW	Green
LN1371G(H) – 6U(TR)	LNJ306G5TRW	Green
LN1471Y – (TR)	LNJ406K5YRW	Amber
LN1871Y5 – (TR)	LNJ806K5SRW	Soft Orange
LN1271RAL – (TR)	LNJ206R5ARW	Ultra Bright Red

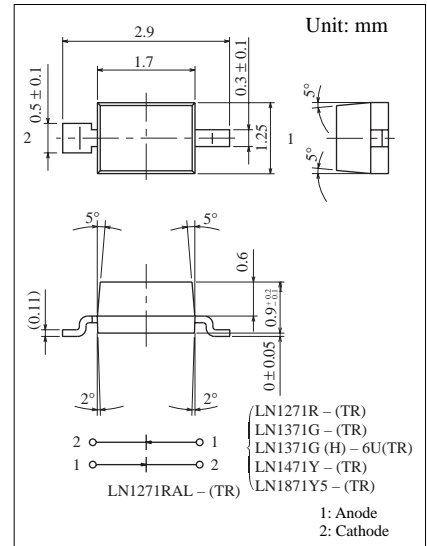
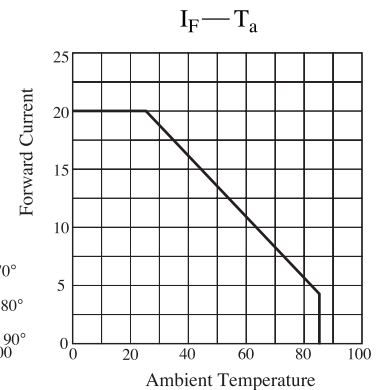
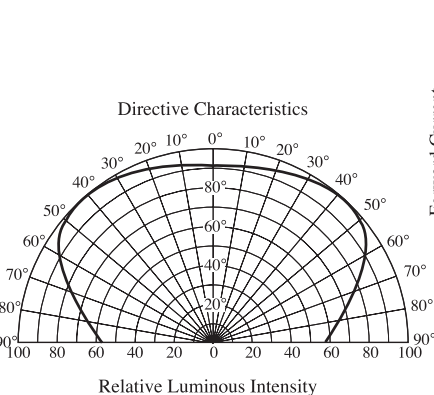
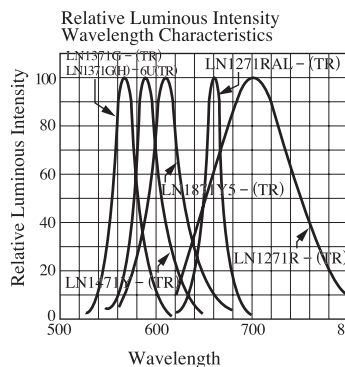
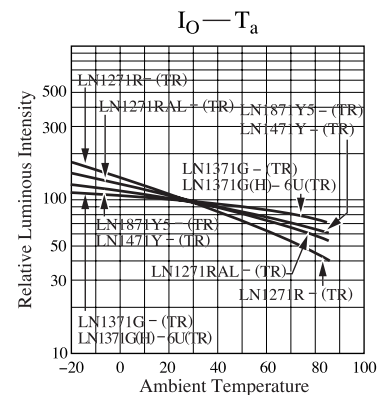
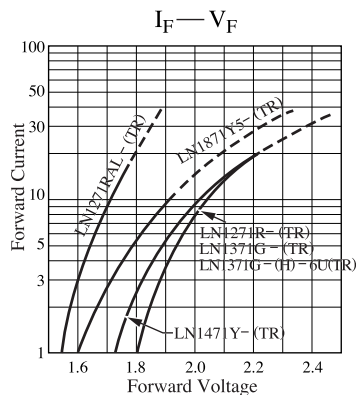
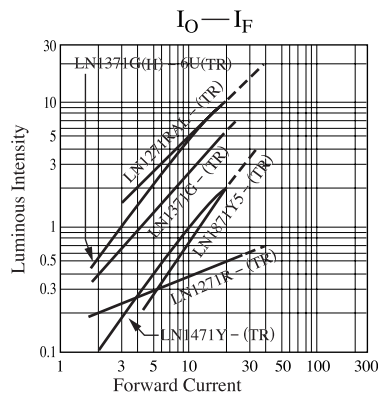
### ■ Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

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	60	4	-25 ~ +85	-30 ~ +100
Green	60	20	60	4	-25 ~ +85	-30 ~ +100
Green	60	20	60	4	-25 ~ +85	-30 ~ +100
Amber	60	20	60	4	-25 ~ +85	-30 ~ +100
Soft Orange	60	20	60	3	-25 ~ +85	-30 ~ +100
Ultra Bright Red	60	20	60	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	$V_R$
LN1271R – (TR)	Red	Red Diffused	0.4	0.15	10	2.03	2.6	700	100	10	5	4
LN1371G – (TR)	Green	Green Diffused	2.6	0.9	10	2.03	2.6	565	30	10	10	4
LN1371G(H) – 6U(TR)	Green	Green Diffused	5.0	3.0	10	2.03	2.6	565	30	10	10	4
LN1471Y – (TR)	Amber	Yellow Diffused	1.0	0.4	10	2.0	2.6	590	30	10	10	4
LN1871Y5 – (TR)	Soft Orange	Yellow Diffused	0.8	0.3	10	1.93	2.6	610	40	10	10	3
LN1271RAL – (TR)	Ultra Bright Red	Red Diffused	5.0	1.7	10	1.72	2.5	660	20	10	100	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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