

# Surface Mounting Chip LED

## S-GW Type

Global Part No.	Conventional Part No.	Lighting Color
LN1271RTR	LN1271R - (TR)	Red
LN1371GTR	LN1371G - (TR)	Green
LNJ306G5TR02	LN1371G(H)-6U(TR)	Green
LN1471YTR	LN1471Y - (TR)	Amber
LN1871Y5TR	LN1871Y5 - (TR)	Soft Orange
LN1271RALTR	LN1271RAL - (TR)	Ultra Bright Red

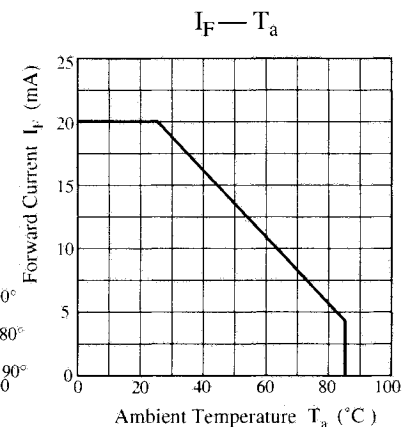
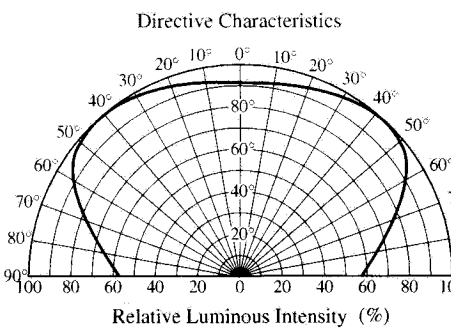
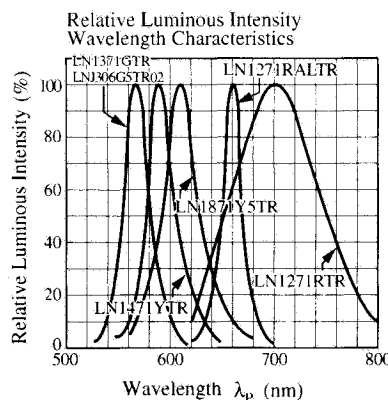
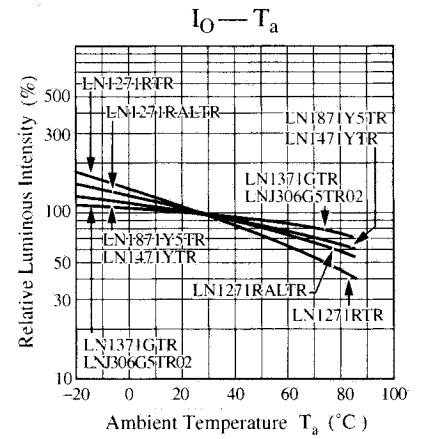
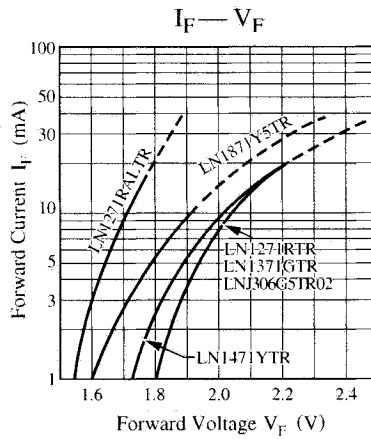
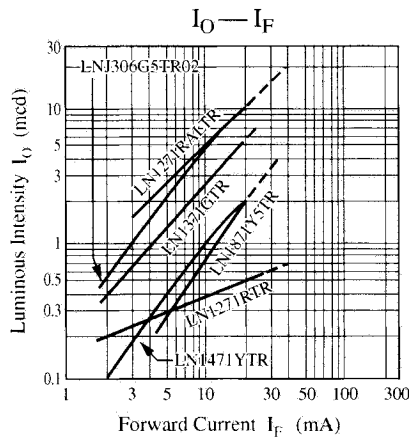
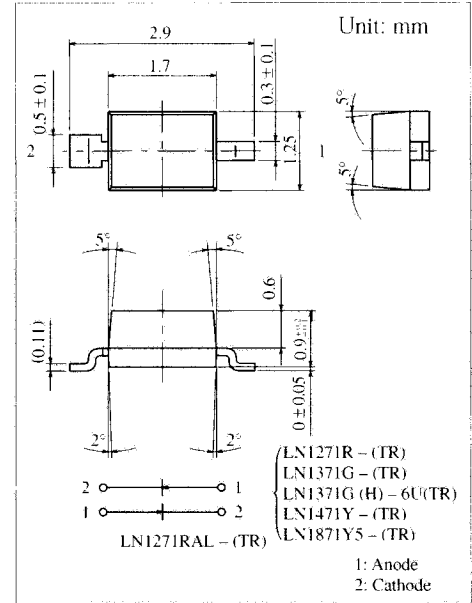
### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

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

Global Part No.	Lighting Color	Lens Color	$I_O$			$V_F$		$\lambda_P$	$\Delta\lambda$	$I_F$	$I_R$	
			Typ	Min	$I_F$	Typ	Max				Max	$V_R$
LN1271RTR	Red	Red Diffused	0.4	0.15	10	2.03	2.6	700	100	10	10	4
LN1371GTR	Green	Green Diffused	2.6	0.9	10	2.03	2.6	565	30	10	10	4
LNJ306G5TR02	Green	Green Diffused	5.0	3.0	10	2.03	2.6	565	30	10	10	4
LN1471YTR	Amber	Yellow Diffused	1.0	0.4	10	2.0	2.6	590	30	10	10	4
LN1871Y5TR	Soft Orange	Yellow Diffused	0.8	0.3	10	1.93	2.6	610	40	10	10	3
LN1271RALTR	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**

## ■ 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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