

# Surface Mounting Chip LED

## TSS Bi-Color Type

Conventional Part No. Global Part No. Lighting Color  
 LNJ115W88RA ..... LNJ115W88RA ..... Green / Amber  
 LNJ115W8VRA ..... LNJ115W8VRA ..... Pure Green / Soft Orange  
 LNJ115W8HRAS ..... LNJ115W8HRAS ..... Blue / Red

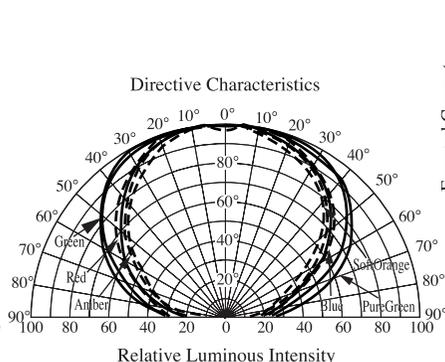
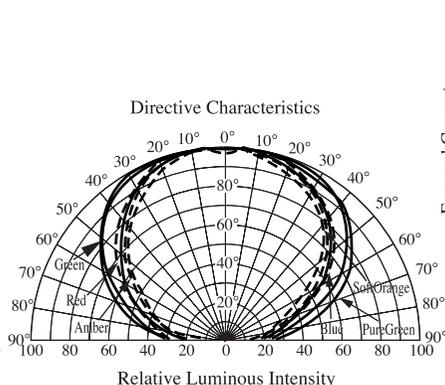
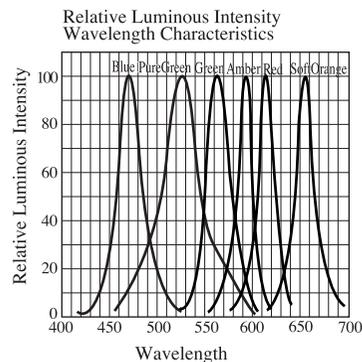
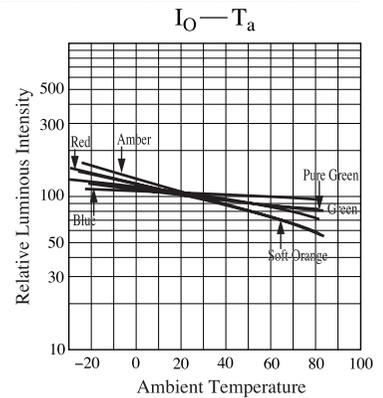
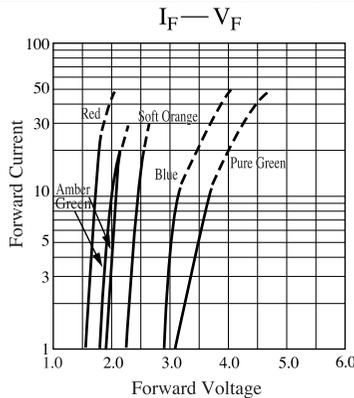
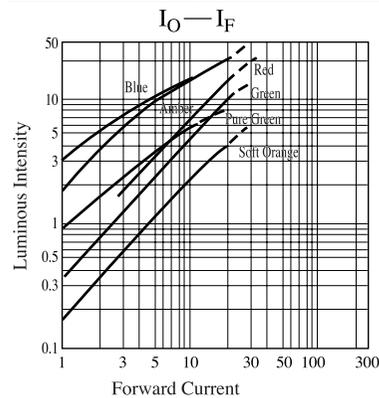
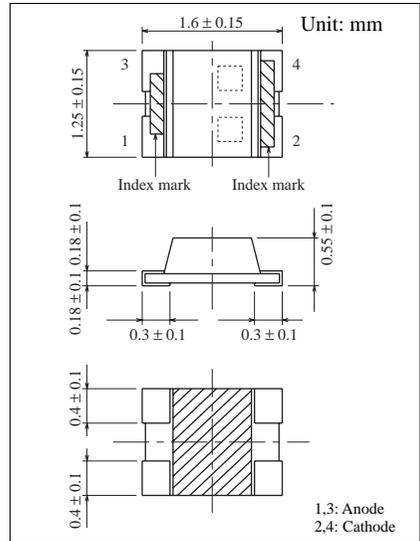
### ■ Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Lighting Color	$P_D$ (mW)	$I_F$ (mA)	$I_{FP}$ (mA)*	$V_R$ (V)	$T_{opr}$ ( $^\circ\text{C}$ )	$T_{stg}$ ( $^\circ\text{C}$ )
Green	60	20	60	4	-30 ~ +85	-40 ~ +100
Amber	55	20	60	4	-30 ~ +85	-40 ~ +100
Pure Green	40	10	50	5	-30 ~ +85	-40 ~ +100
Soft Orange	55	20	60	4	-30 ~ +85	-40 ~ +100
Blue	40	10	50	5	-30 ~ +85	-40 ~ +100
Red	60	20	60	3	-30 ~ +85	-40 ~ +100

duty 10% 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	$I_O$			$V_F$		$\lambda_p$	$\Delta\lambda$	$I_F$	$I_R$	
			Typ	Min	$I_F$	Typ	Max	Typ	Typ		Max	$V_R$
LNJ115W88RA	Green	White Diffused	5.0	1.8	10	2.03	2.6	565	30	10	10	4
	Amber	White Diffused	21	7	10	2.1	2.6	595	15	10	100	4
LNJ115W8VRA	Pure Green	White Diffused	34	10.3	5	3.0	3.7	525	45	5	10	5
	Soft Orange	White Diffused	21	7	10	1.95	2.5	615	20	10	100	4
LNJ115W8HRAS	Blue	White Diffused	8.5	3.2	5	3.2	3.7	470	30	5	10	5
	Red	White Diffused	6.7	2.2	10	1.72	2.5	655	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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