

# Two Color Lighting

## Square Type

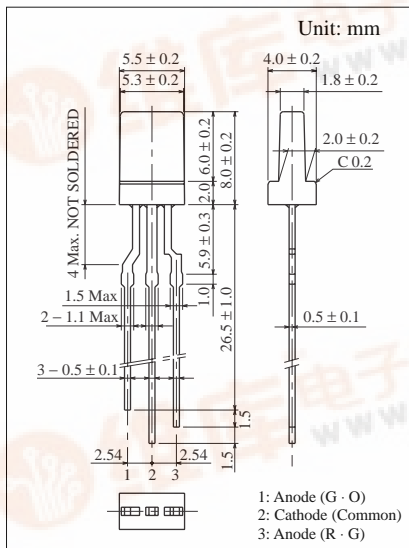
### □ 5.3 mm × 1.8 mm Series

Conventional Part No.      Global Part No.      Lighting Color  
 LN117WP23 ..... LNG117WHY .... Red, Green  
 LN117WP38 ..... LNG117WHA .... Green, Orange

#### ■ Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

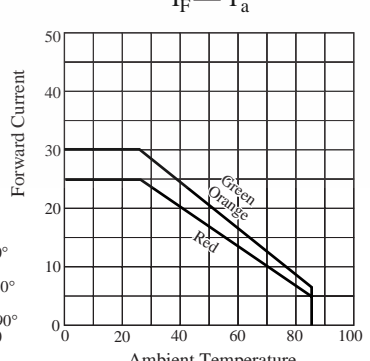
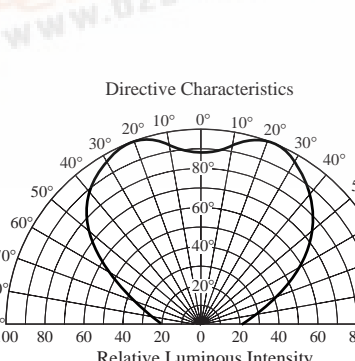
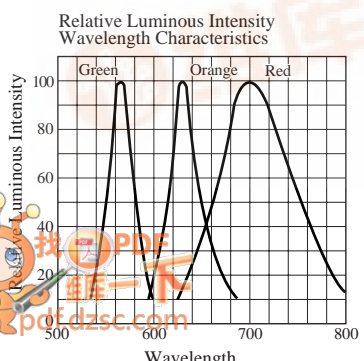
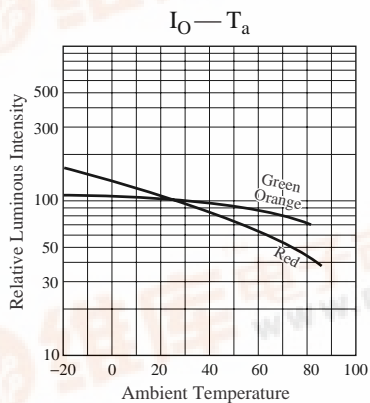
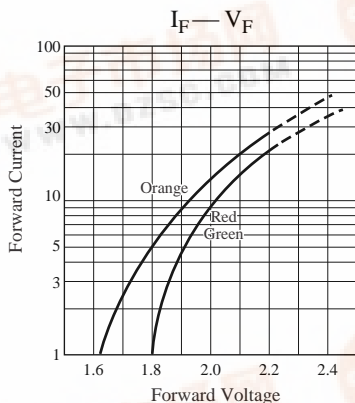
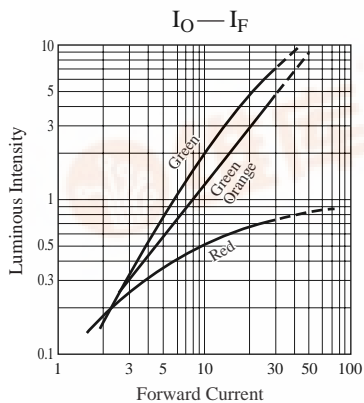
Lighting Color	P <sub>D</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	V <sub>R</sub> (V)	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
Red	70	25	150	4	-25 ~ +85	-30 ~ +100
Green	90	30	150	4	-25 ~ +85	-30 ~ +100
Orange	90	30	150	3	-25 ~ +85	-30 ~ +100

Pulse width 1 msec. The condition of I<sub>FP</sub> is duty 10%, Pulse width 1 msec



#### ■ Electro-Optical Characteristics (T<sub>a</sub> = 25°C)

Conventional Part No.	Lighting Color	Lens Color	I <sub>O</sub>		I <sub>F</sub>	V <sub>F</sub>		λ <sub>P</sub>	Δλ	I <sub>F</sub>	I <sub>R</sub>	
			Typ	Min		Typ	Max				Typ	Max
LN117WP23	Red	White Diffused	0.6	0.25	15	2.2	2.8	700	100	20	5	4
	Green		4.5	1.70	20	2.2	2.8	565	30	20	10	4
LN117WP38	Green	White Diffused	3.0	1.00	20	2.2	2.8	565	30	20	10	4
	Orange		3.0	1.00	20	2.1	2.8	630	40	20	10	3
Unit	—	—	mcd	mcd	mA	V	V	nm	nm	mA	μA	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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