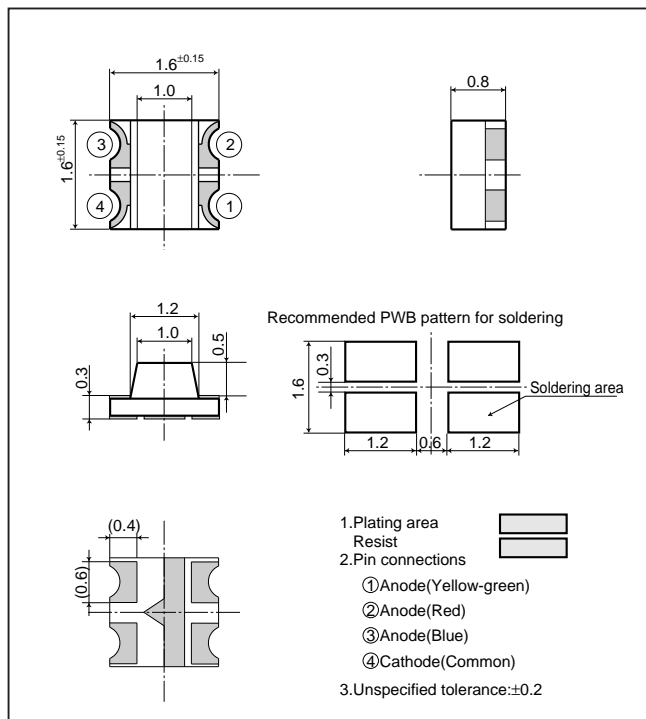


# LT1W67A(Under Development)

## 1616 Size, 0.8mm Thickness, Compact Full Color Leadless Chip LED Device

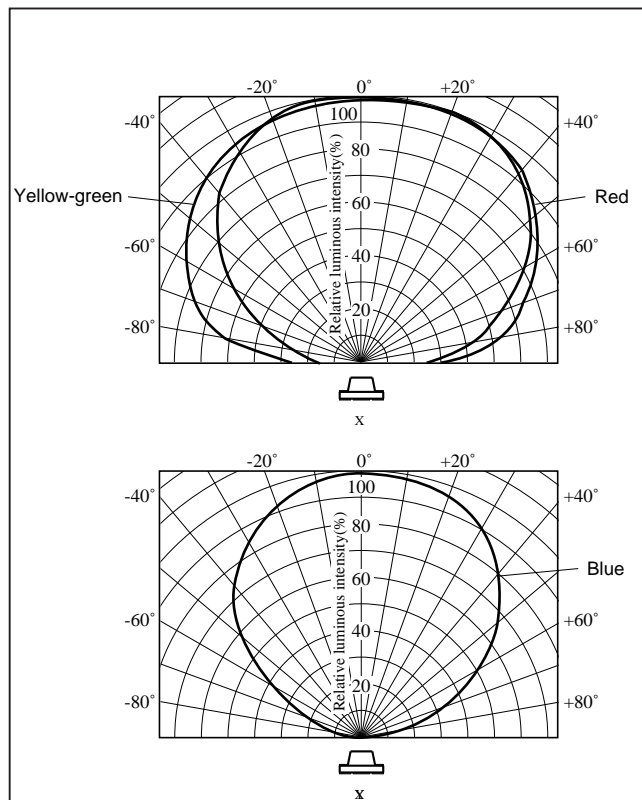
### Outline Dimensions

(Unit : mm)



### Radiation Diagram

(T<sub>a</sub>=25°C)



### Absolute Maximum Ratings

(T<sub>a</sub>=25°C)

Model No.	Radiation color	Radiation material	Power dissipation P <sup>*1</sup> (mW)	Forward current I <sub>F</sub> (mA)	Peak forward current I <sub>FM</sub> <sup>*2</sup> (mA)	Derating factor (mA/°C)		Reverse voltage V <sub>R</sub> (V)	Operating temperature T <sub>opr</sub> (°C)	Storage temperature T <sub>stg</sub> (°C)	Soldering temperature T <sub>sol</sub> <sup>*3</sup> (°C)
						DC	Pulse				
LT1W67A	Blue	GaN on SiC	200	30	100	0.67	1.33	5	-30 to +85	-40 to +100	260
	Yellow-green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	260
	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	260

\*1 The value is specified under the condition that either color is lightened separately.

When all diodes are lightened simultaneously, the power dissipation of each diode should be less than 30% of the value specified in this table.

\*2 Duty ratio=1/10, Pulse width=0.1ms

\*3 For 3s or less at the temperature of hand soldering. Temperature of reflow soldering is shown on the below page.

### Electro-optical Characteristics

(T<sub>a</sub>=25°C)

Lens type	Model No.	Radiation color	Forward voltage V <sub>F</sub> (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
			TYP	MAX	λ <sub>p</sub> (nm) TYP	I <sub>F</sub> (mA)	I <sub>v</sub> (mcd) TYP	I <sub>F</sub> (mA)	Δλ(nm) TYP	I <sub>F</sub> (mA)	I <sub>R</sub> (μA) MAX	V <sub>R</sub> (V)	C <sub>t</sub> (pF) TYP	(MHz)	
Milky diffusion	LT1W67A	Blue	4.4	5.6	430	20	6.5	20	70	20	10	4	50	1	—
		Yellow-green	2.1	2.8	565	20	13.0	20	30	20	10	4	35	1	—
		Red	2.0	2.8	635	20	8.5	20	35	20	10	4	20	1	—