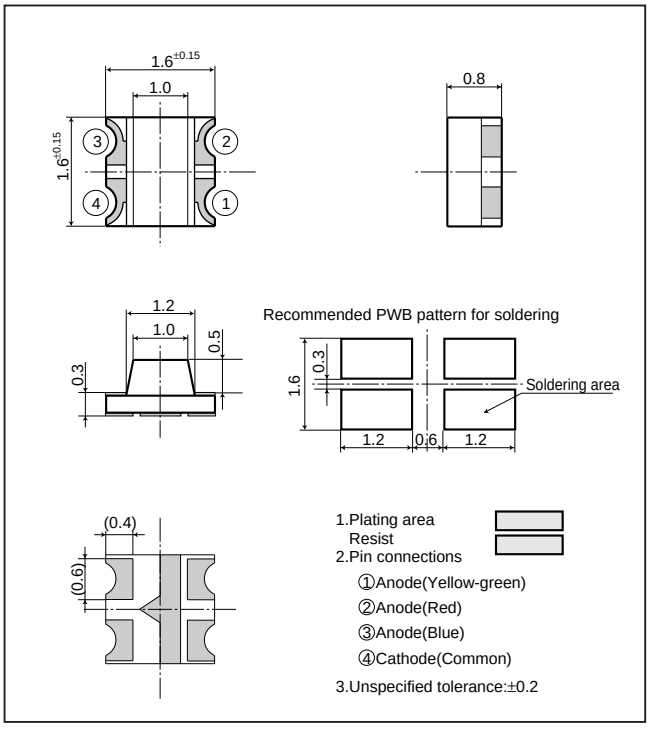
LT1W67A(Under Development)

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

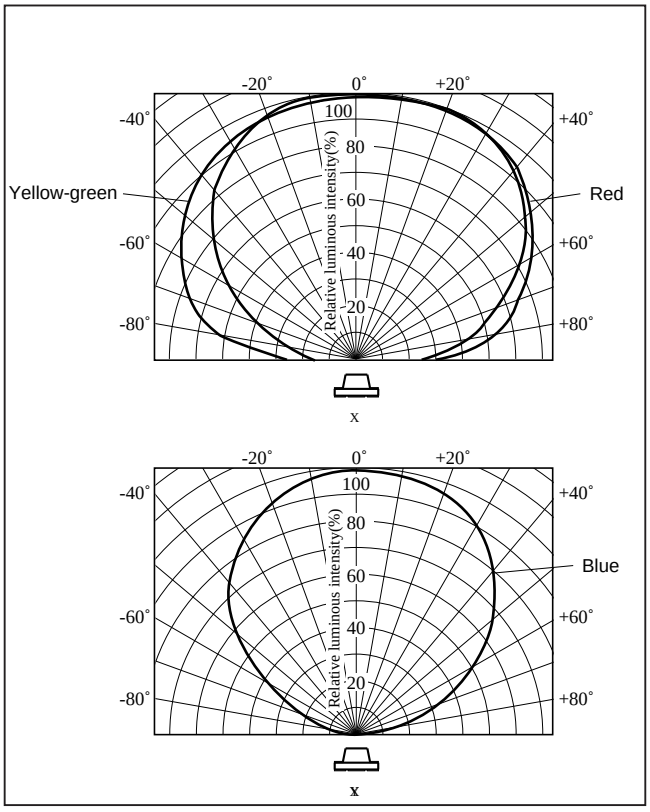
■ Outline Dimensions

(Unit : mm)



■ Radiation Diagram

(Ta=25˚C)



■ Absolute Maximum Ratings

(Ta=25˚C)

Model No.	Radiation color	Radiation material	Power dissipation P^{*1} (mW)	Forward current I_F (mA)	Peak forward current I_{FM}^{*2} (mA)	Derating factor (mA/˚C) DC	Derating factor (mA/˚C) Pulse	Reverse voltage V_R (V)	Operating temperature T_{opr} (˚C)	Storage temperature T_{stg} (˚C)	Soldering temperature T_{sol}^{*3} (˚C)
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

(Ta=25˚C)

Lens type	Model No.	Radiation color	Forward voltage V_F(V) TYP	Forward voltage V_F(V) MAX	Peak emission wavelength λ_p(nm) TYP	Peak emission wavelength I_F (mA)	Luminous intensity I_V(mcd) TYP	Luminous intensity I_F (mA)	Spectrum radiation bandwidth Δλ(nm) TYP	Spectrum radiation bandwidth I_F (mA)	Reverse current I_R(μA) MAX	Reverse current V_R (V)	Terminal capacitance C_t(pF) TYP	Terminal capacitance (MHz)	Page for characteristics diagrams
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	—

(Notice) ● In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.
(Internet) ● Data for sharp's optoelectronic/power device is provided for internet.(Address http://www.sharp.co.jp/ecg/)