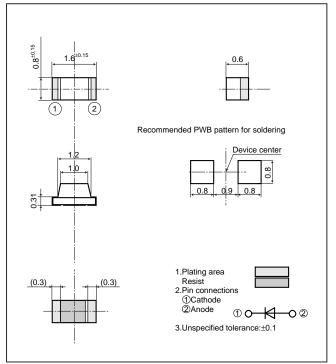
# LT1□97A series

# 1608 Size, Super Thin Type(0.6mm), Leadless Chip LED Devices

#### **■** Outline Dimensions

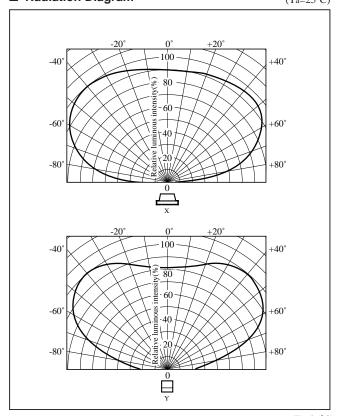
(Unit: mm)



U type: There is Anode mark on the device because polarity faces in the opposite direction.

# ■ Radiation Diagram

(Ta=25°C)



# ■ Absolute Maximum Ratings

(Ta=25°C)

Model No.	Radiation color	Radiation material	liation material P I <sub>F</sub> I <sub>FM</sub> *1 (mA/°C) V <sub>I</sub>		Reverse voltage V <sub>R</sub> (V)	Operating temperature  Topr (°C)	Storage temperature  T <sub>stg</sub> (°C)	Soldering temperature $T_{\rm sol}^{*2}$ (°C)			
LT1U97A	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1P97A	Red	GaP	23	10	50	0.13	0.67	5	-30 to +85	-40 to +100	350
LT1D97A	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1S97A	Sunset orange	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1H97A	Yellow	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1E97A	Yellow-green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1K97A	Green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350

<sup>\*1</sup> Duty ratio=1/10, Pulse width=0.1ms

## **■** Electro-optical Characteristics

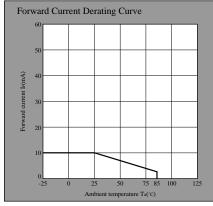
 $(T_a=25^{\circ}C)$ 

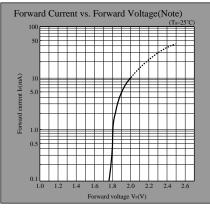
Lens type	Model No.	Forward voltage V <sub>F</sub> (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for
				λ <sub>p</sub> (nm) I <sub>F</sub>		Iv(mcd) IF	Δλ(nm) If		I <sub>R</sub> (µA) V <sub>R</sub>		C <sub>t</sub> (pF)	characteristics		
		TYP	MAX	TYP	(mA)	TYP	(mA)	TYP	(mA)	MAX	(V)	TYP	(MHz)	diagrams
Milky diffusion	LT1U97A	1.85	2.5	660	20	35.3	20	20	20	100	3	25	1	$\rightarrow$
	LT1P97A	1.9	2.3	695	5	1.6	5	100	5	10	4	55	1	$\rightarrow$
	LT1D97A	2.0	2.8	635	20	11.0	20	35	20	10	4	20	1	$\rightarrow$
	LT1S97A	2.0	2.8	610	20	8.2	20	35	20	10	4	15	1	$\rightarrow$
	LT1H97A	2.0	2.8	585	20	9.8	20	30	20	10	4	35	1	$\rightarrow$
	LT1E97A	2.1	2.8	565	20	23.0	20	30	20	10	4	35	1	$\rightarrow$
	LT1K97A	2.1	2.8	555	20	4.5	20	25	20	10	4	40	1	$\rightarrow$

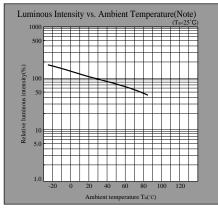
 <sup>(</sup>Notice)
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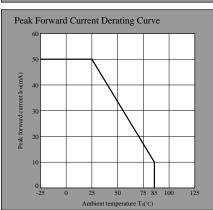
<sup>\*2</sup> For 3s or less at the temperature of hand soldering. Temperature of reflow soldering is shown on the below page.

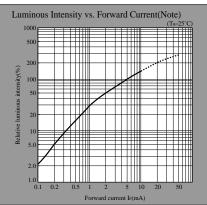
#### PR series

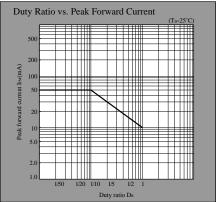




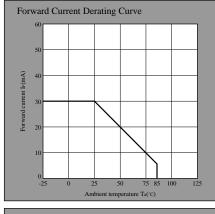


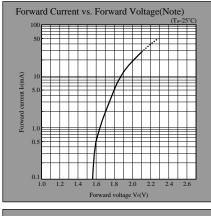


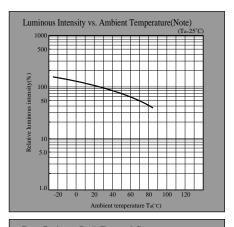


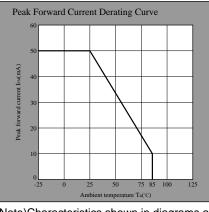


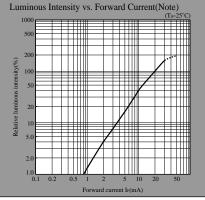
# HD series

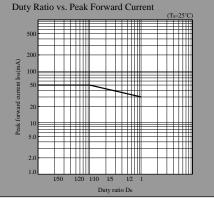








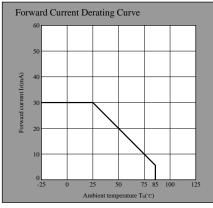


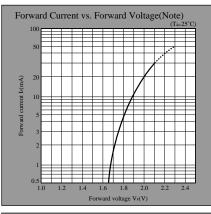


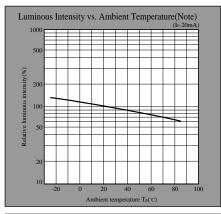
Note) Characteristics shown in diagrams are typical values. (not assurance value)

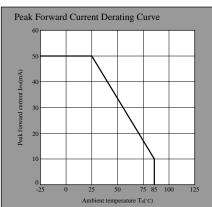
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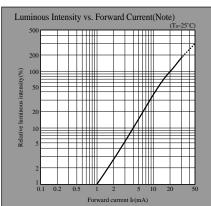
#### HS series

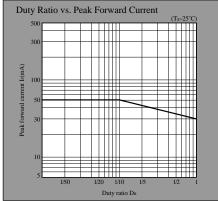




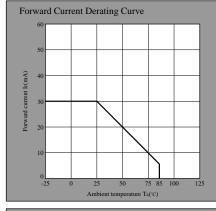


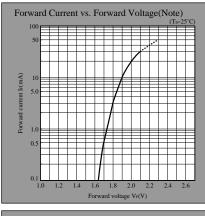


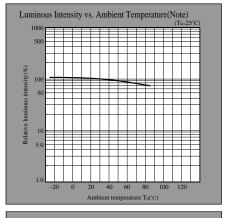


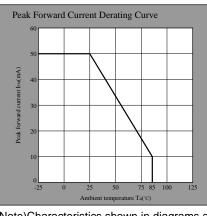


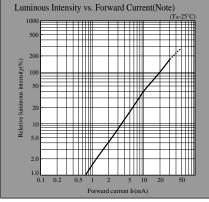
### HY series

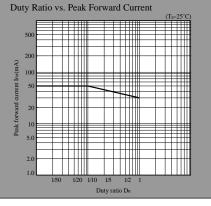








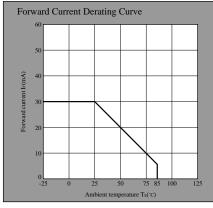


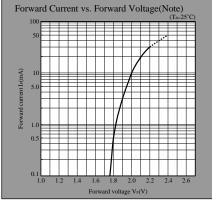


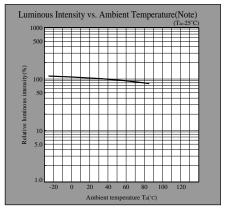
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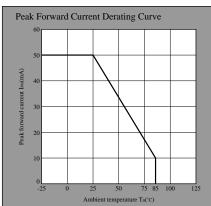
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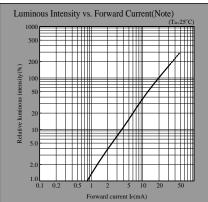
#### EG series

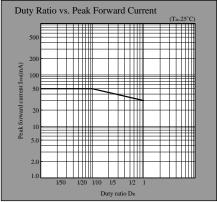




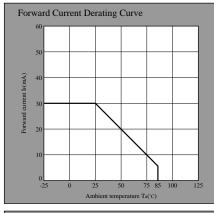


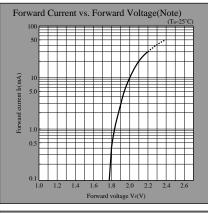


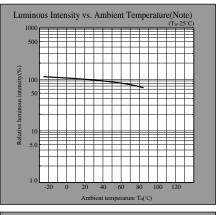


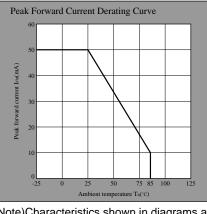


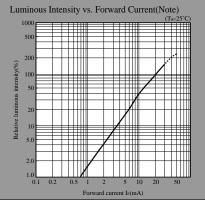
# KG series

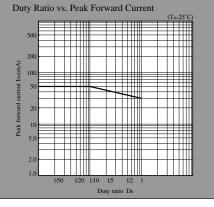








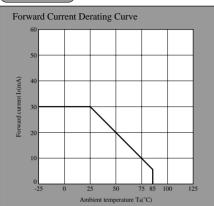


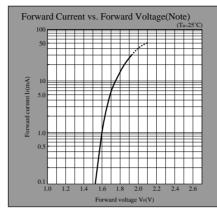


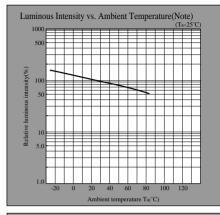
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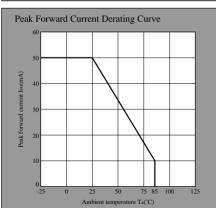
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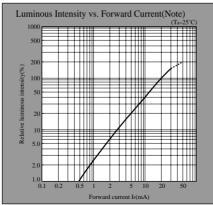
### UR series

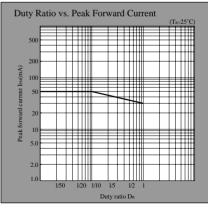












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