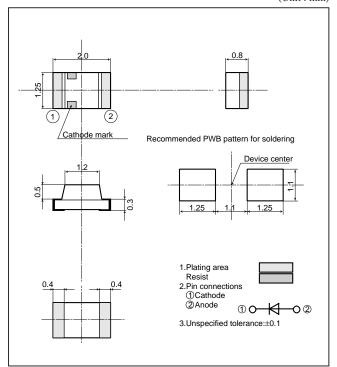
LT1□40A series

2125 Size, 0.8mm Thickness, Leadless Chip LED Devices

■ Outline Dimensions

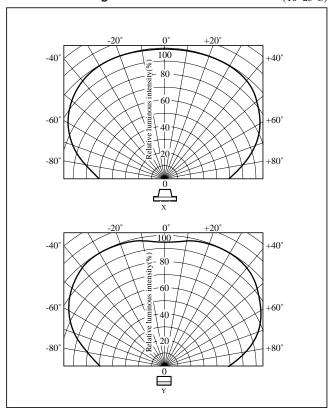
(Unit: mm)



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		Power dissipation P (mW)	Forward current IF (mA)	Peak forward current IFM*1 (mA)	Derating (mA	_	Reverse voltage VR (V)	Operating temperature Topr (°C)	Storage temperature T_{stg} (°C)	Soldering temperature T_{sol}^{*2} (°C)
LT1U40A	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50	0.40	0.67	4	-30 to +85	-40 to +100	350
LT1P40A	Red	GaP	23	10	50	0.13	0.67	5	-30 to +85	-40 to +100	350
LT1D40A	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1S40A	Sunset orange	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1H40A	Yellow	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1E40A	Yellow-green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1K40A	Green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350

^{*1} Duty ratio=1/10, Pulse width=0.1ms

■ Electro-optical Characteristics

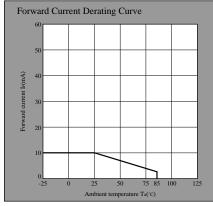
(Ta=25°C)

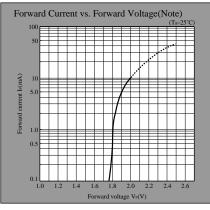
Lens type	Model No.	Forward voltage		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for
		V _F (V)		λ _p (nm) I _F		Iv(mcd)	I_F	Δλ(nm)	IF	Ir(µA) Vr		C _t (pF)	characteristics	
		TYP	MAX	TYP	(mA)	TYP	(mA)	TYP	(mA)	MAX	(V)	TYP	(MHz)	diagrams
Milky diffusion	LT1U40A	1.85	2.5	660	20	35.6	20	20	20	100	3	25	1	\rightarrow
	LT1P40A	1.9	2.3	695	5	1.3	5	100	5	10	4	55	1	\rightarrow
	LT1D40A	2.0	2.8	635	20	11.9	20	35	20	10	4	20	1	\rightarrow
	LT1S40A	2.0	2.8	610	20	9.4	20	35	20	10	4	15	1	\rightarrow
	LT1H40A	2.0	2.8	585	20	10.8	20	30	20	10	4	35	1	\rightarrow
	LT1E40A	2.1	2.8	570	20	19.0	20	30	20	10	4	35	1	\rightarrow
	LT1K40A	2.1	2.8	555	20	5.0	20	25	20	10	4	40	1	\rightarrow

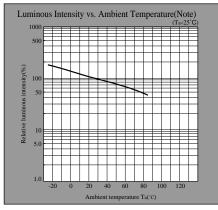
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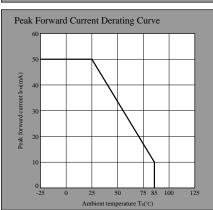
^{*2} For 3s or less at the temperature of hand soldering. Temperature of reflow soldering is shown on the below page.

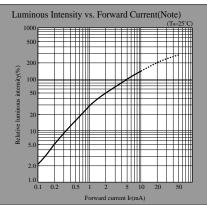
PR series

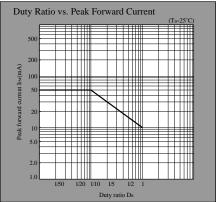




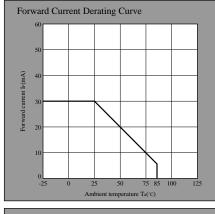


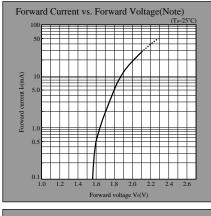


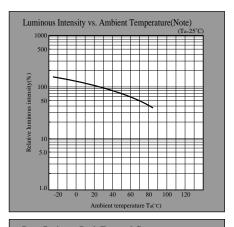


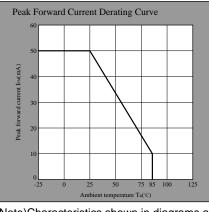


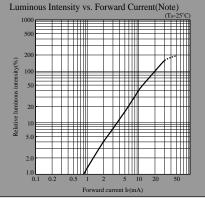
HD series

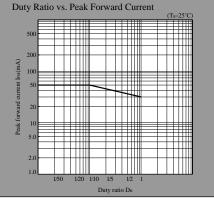








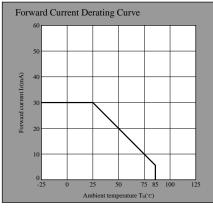


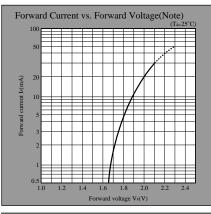


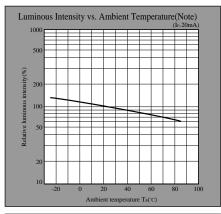
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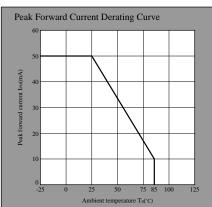
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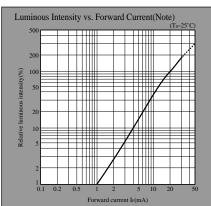
HS series

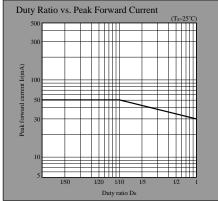




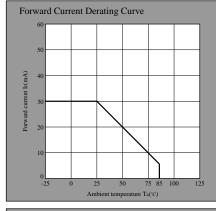


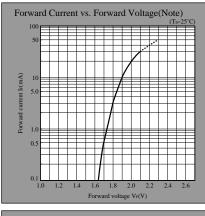


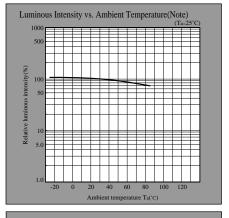


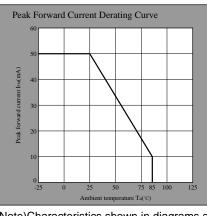


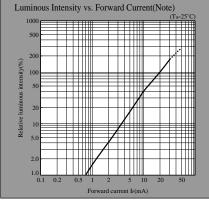
HY series

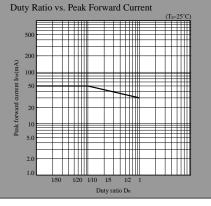








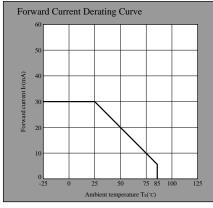


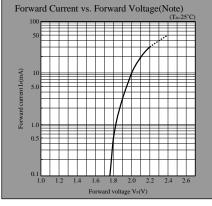


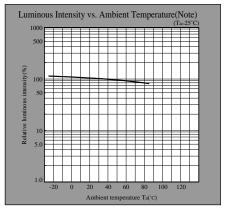
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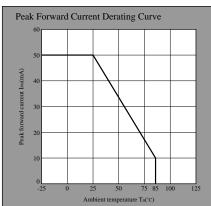
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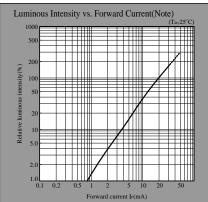
EG series

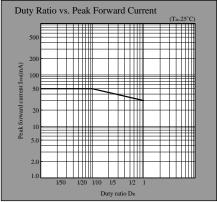




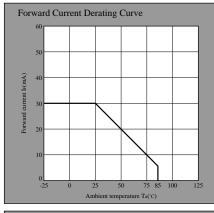


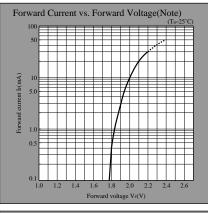


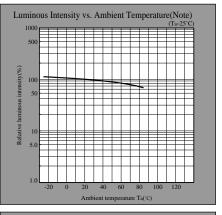


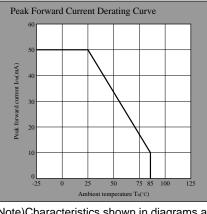


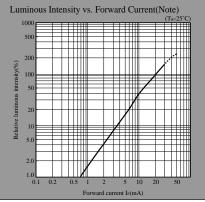
KG series

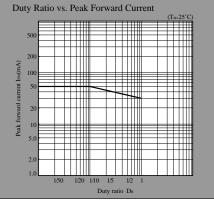








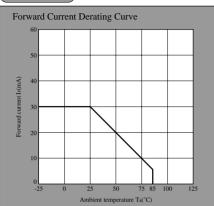


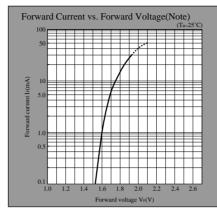


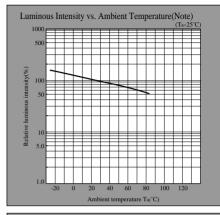
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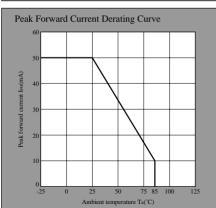
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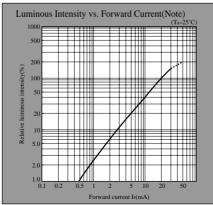
UR series

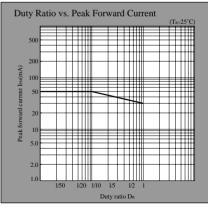












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