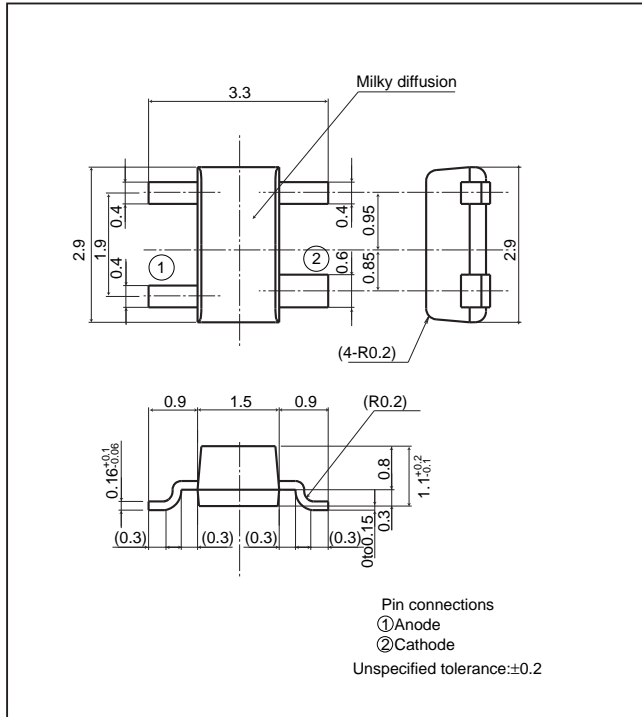


LT1□53A series

3.3X2.9mm, 1.1mm Thickness, Milky Diffusion Chip LED Devices

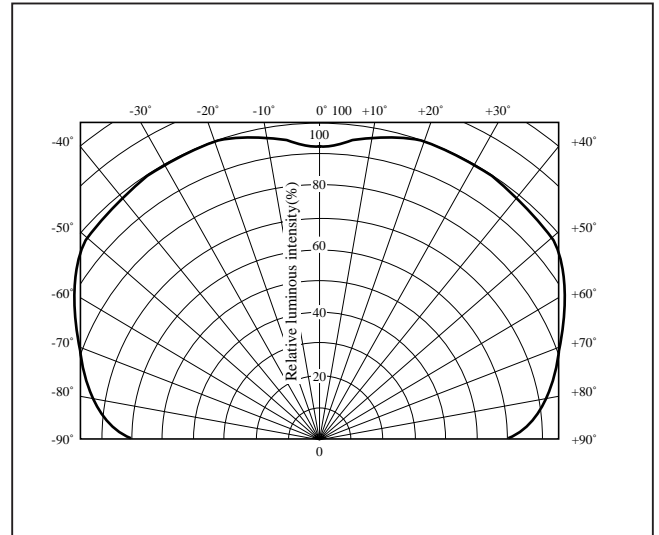
Outline Dimensions

(Unit : mm)



Radiation Diagram

(Ta=25°C)



Absolute Maximum Ratings

(Ta=25°C)

Model No.	Radiation color	Radiation material	Power dissipation P (mW)	Forward current IF (mA)	Peak forward current IFM*1 (mA)	Derating factor (mA/°C)		Reverse voltage VR (V)	Operating temperature Topr (°C)	Storage temperature Tstg (°C)	Soldering temperature Tsol*2 (°C)
						DC	Pulse				
LT1P53A	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	350
LT1D53A	Red	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	350
LT1S53A	Sunset orange	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	350
LT1H53A	Yellow	GaAsP on GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	350
LT1E53A	Yellow-green	GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	350
LT1K53A	Green	GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	350

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

*2 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.	Forward voltage VF(V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λp(nm) TYP	IF (mA)	Iv(mcd) TYP	IF (mA)	Δλ(nm) TYP	IF (mA)	IR(μA) MAX	VR (V)	Ct(pF) TYP	(MHz)	
Milky diffusion	LT1P53A	1.9	2.3	695	5	1.4	5	100	5	10	4	55	1	→
	LT1D53A	2.0	2.8	635	20	9.6	20	35	20	10	4	20	1	→
	LT1S53A	2.0	2.8	610	20	7.8	20	35	20	10	4	15	1	→
	LT1H53A	1.9	2.5	585	10	3.7	10	30	10	10	4	35	1	→
	LT1E53A	1.85	2.5	565	10	4.8	10	30	10	10	4	35	1	→
	LT1K53A	1.95	2.5	555	10	2.2	10	25	10	10	4	40	1	→

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LED Lamp Characteristics Diagrams

PR series



HD series

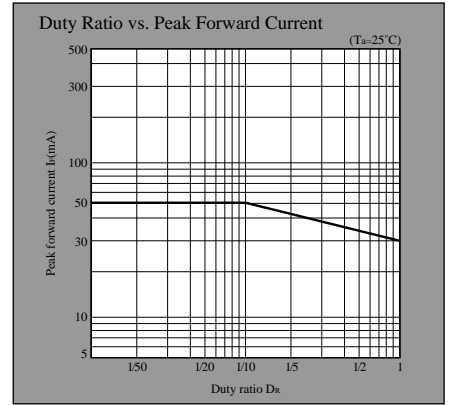
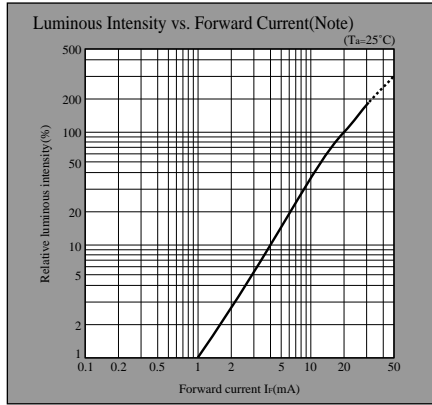
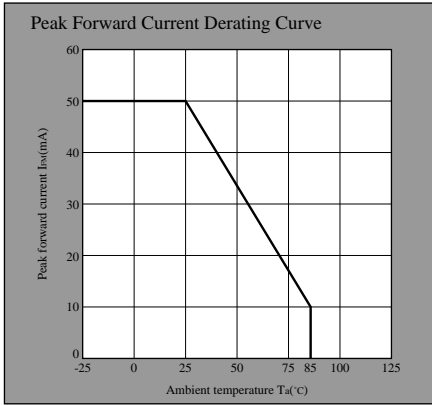
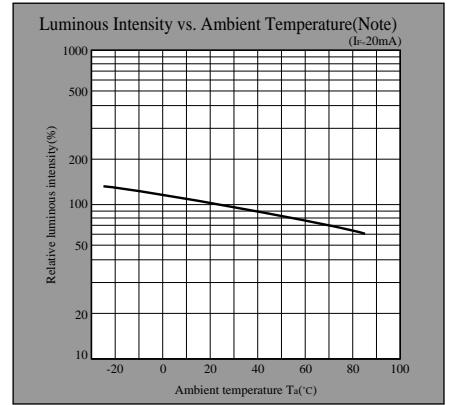
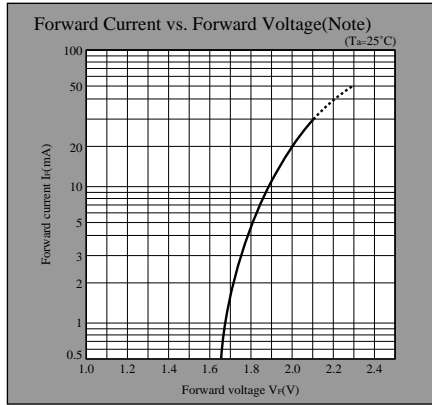


Note) Characteristics shown in diagrams are typical values. (not assurance value)

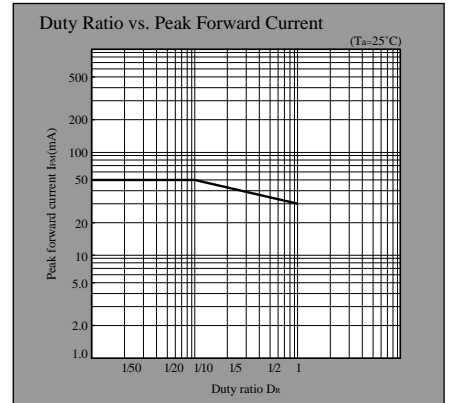
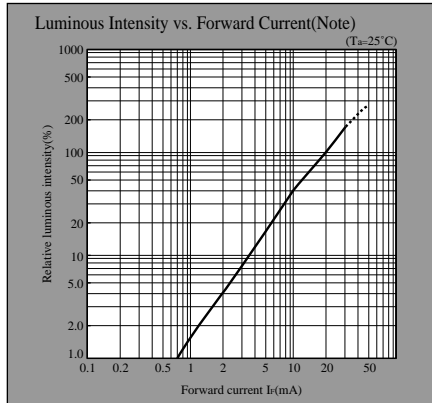
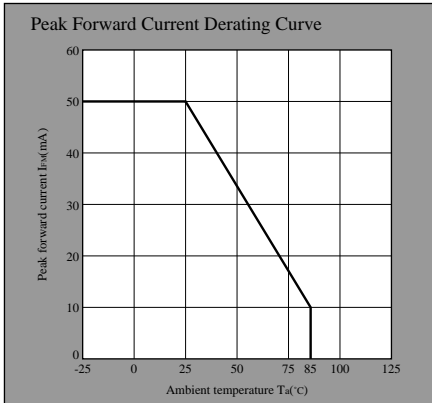
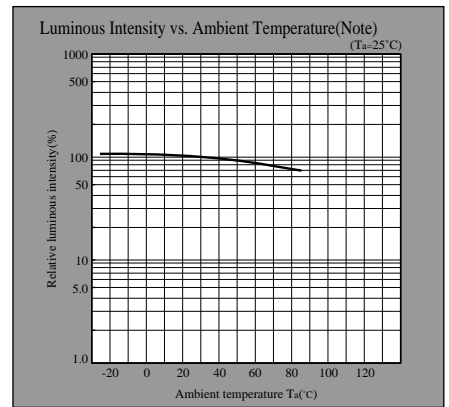
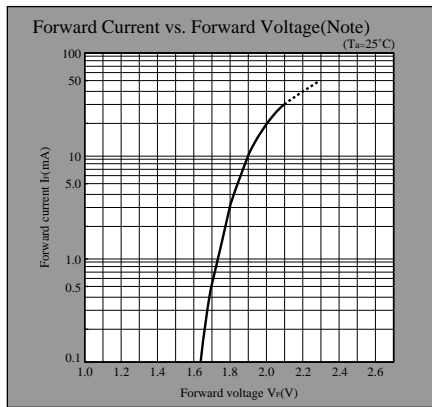
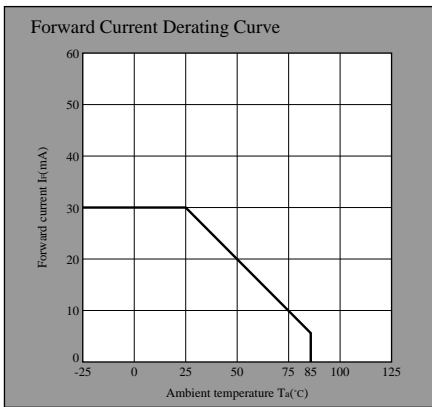
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LED Lamp Characteristics Diagrams

HS series



HY series

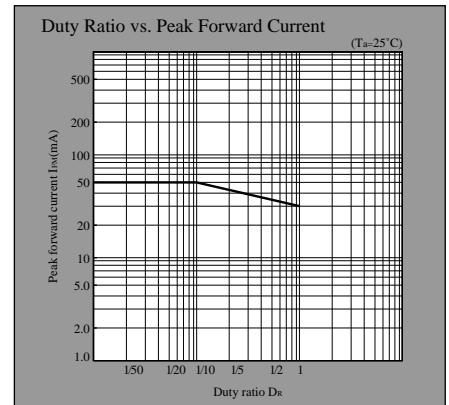
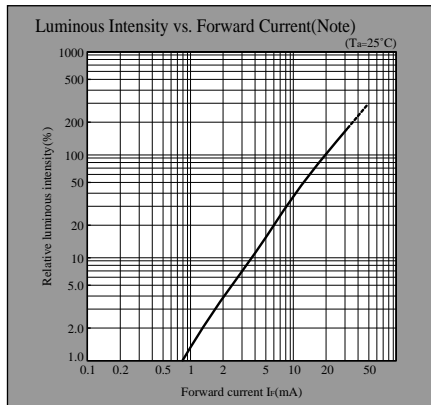
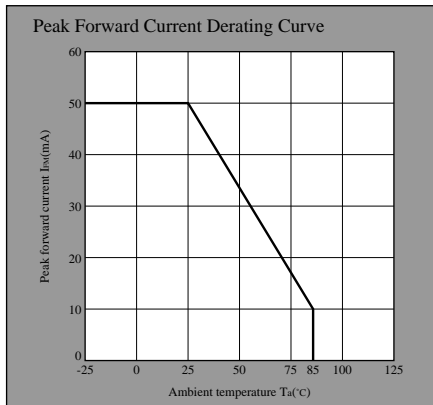
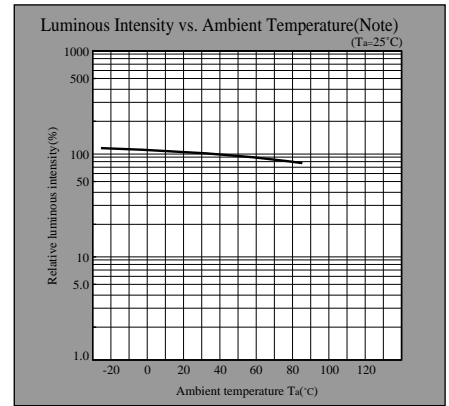
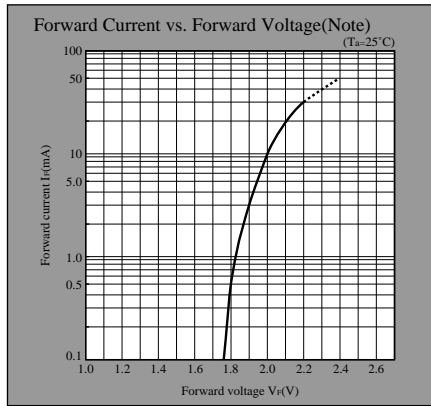
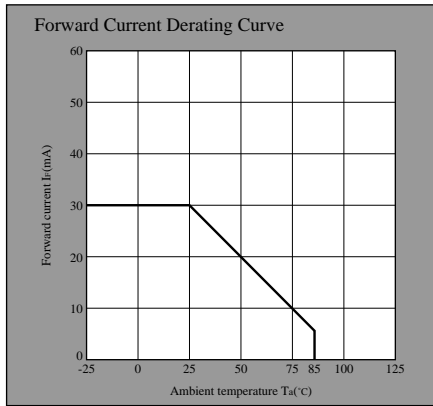


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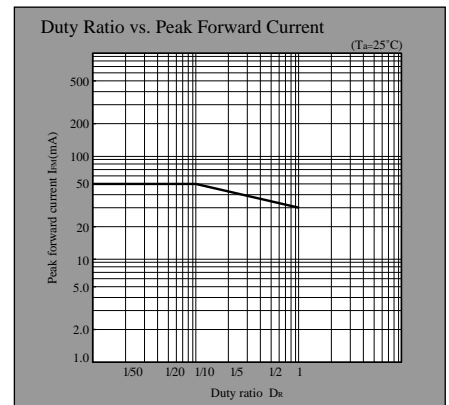
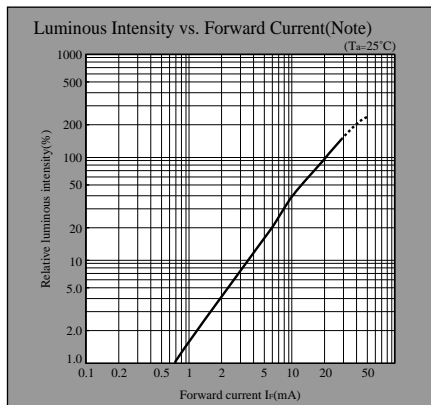
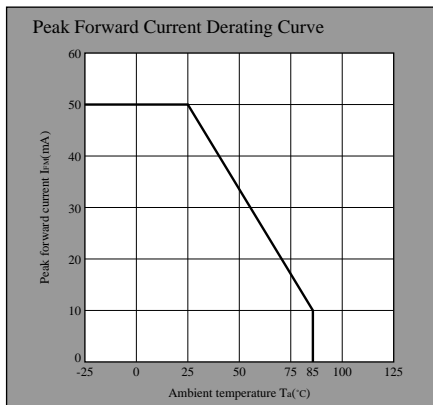
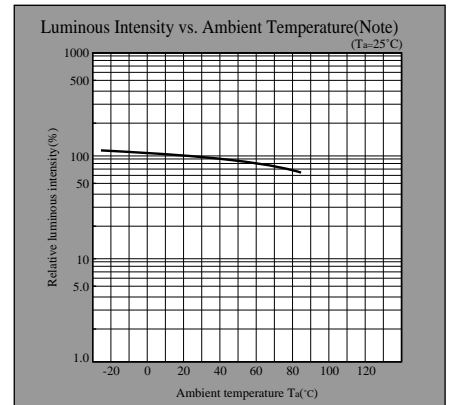
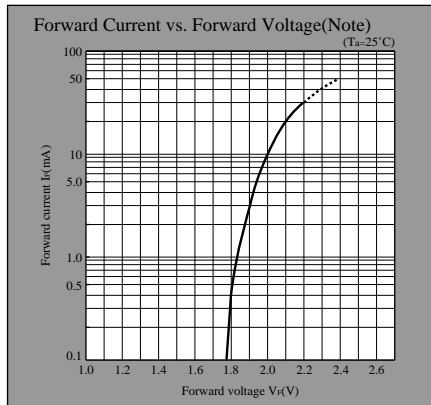
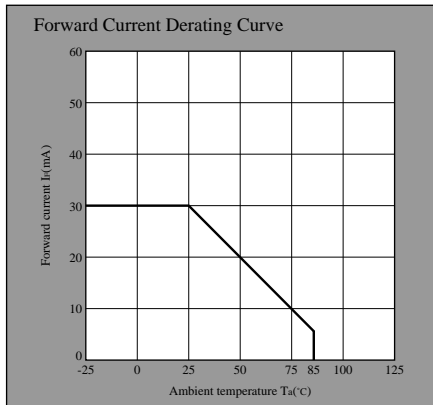
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LED Lamp Characteristics Diagrams

EG series



KG series



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