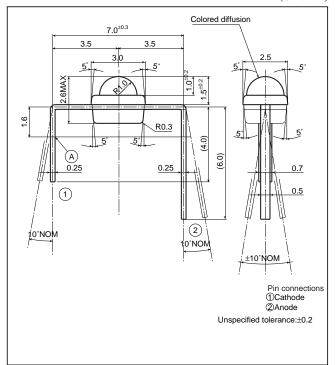
GL1□□112 series

■ Outline Dimensions

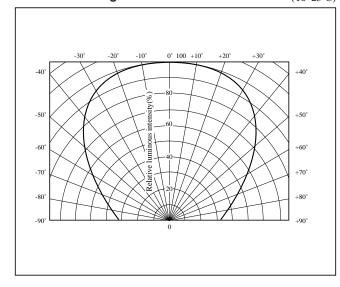
(Unit:mm)



ø2mm, Forming Type, Colored Diffusion, Compact LED Lamp for Backlight/Indicator

■ Radiation Diagram

(Ta=25°C)



■ Absolute Maximum Ratings

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

Model No.	Radiation color	Radiation material	Power dissipation P	Forward current IF	Peak forward current IFM*1	Derating factor (mA/°C)		Reverse voltage V _R	Operating temperature T_{opr}	Storage temperature $T_{\rm stg}$	Soldering temperature T_{sol}^{*2}
			(mW)	(mA)	(mA)	DC	Pulse	(V)	(°C)	(°C)	(°C)
GL1PR112	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	260
GL1HD112	Red	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL1HS112	Sunset orange	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL1HY112	Yellow	GaAsP on GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	260
GL1EG112	Yellow-green	GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	260

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

■ Electro-optical Characteristics

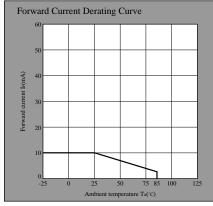
 $(T_a=25^{\circ}C)$

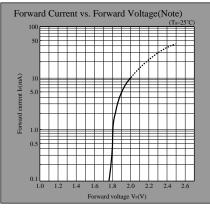
Lens type	Model No.	V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for
				$\lambda_p(nm)$	I _F	Iv(mcd)		Δλ(nm)		Ir(µA)	V _R	C _t (pF)	(MHz)	characteristics
		TYP	MAX	TYP	(mA)	TYP	(mA)	TYP	(mA)	MAX	(V)	TYP		diagrams
Colored diffusion	GL1PR112	1.9	2.3	695	5	2.6	5	100	5	10	4	55	1	\rightarrow
	GL1HD112	2.0	2.8	635	20	8.8	20	35	20	10	4	20	1	\rightarrow
	GL1HS112	2.0	2.8	610	20	14.0	20	35	20	10	4	15	1	\rightarrow
	GL1HY112	1.9	2.5	585	10	4.5	10	30	10	10	4	35	1	\rightarrow
	GL1EG112	1.95	2.5	565	10	7.0	10	30	10	10	4	35	1	\rightarrow

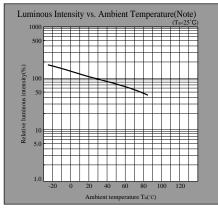
(Notice)
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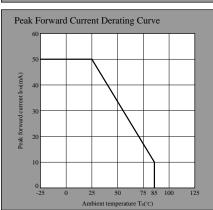
^{*2} Below the A portion of outline drawing

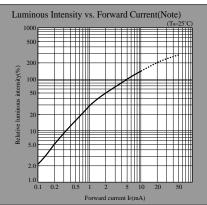
PR series

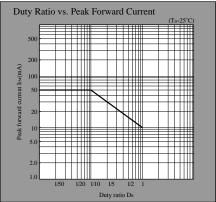




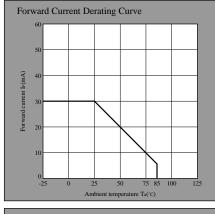


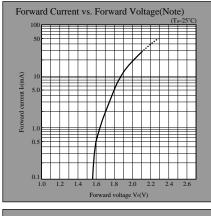


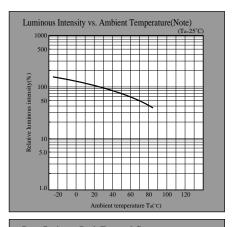


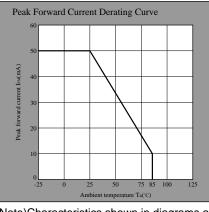


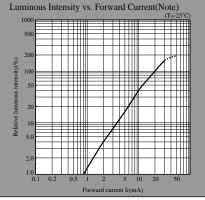
HD series

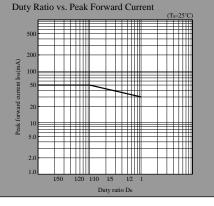








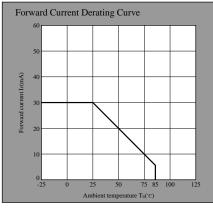


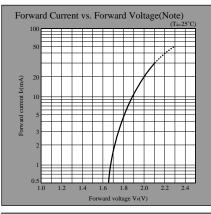


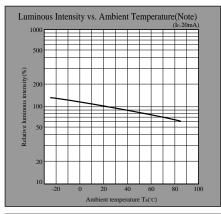
Note) Characteristics shown in diagrams are typical values. (not assurance value)

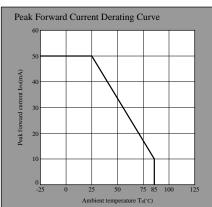
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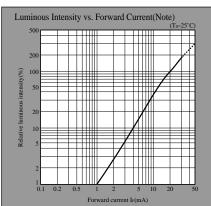
HS series

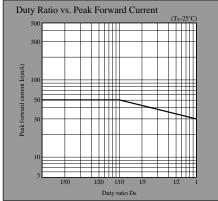




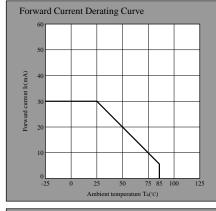


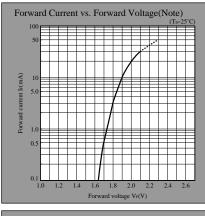


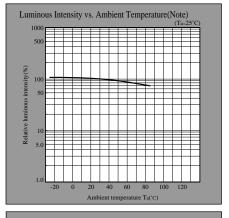


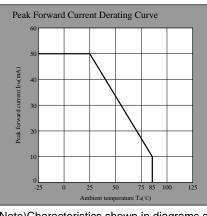


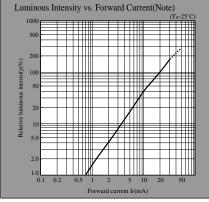
HY series

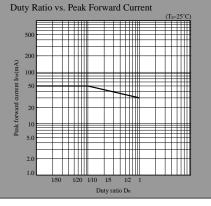








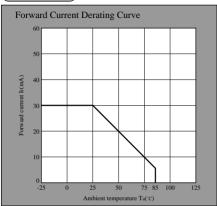


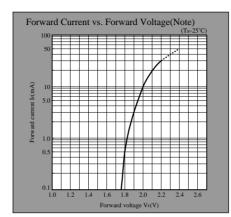


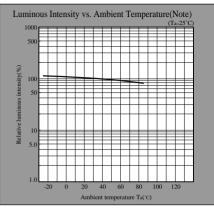
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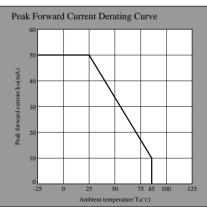
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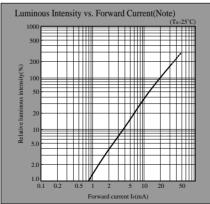
EG series

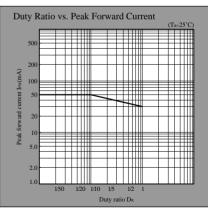












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