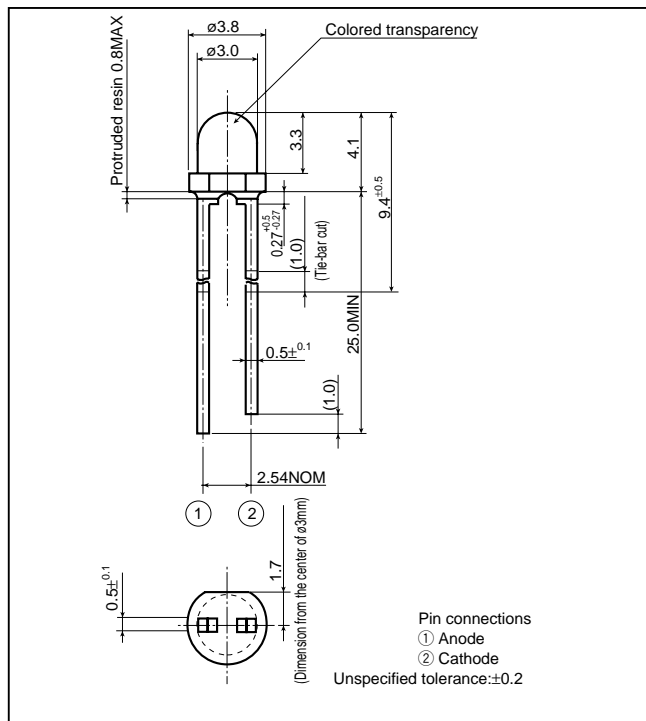


GL3□□43 series

ø3mm(T-1), Cylinder(Thin Type), Colored Transparency, High-luminosity LED Lamps for Backlight

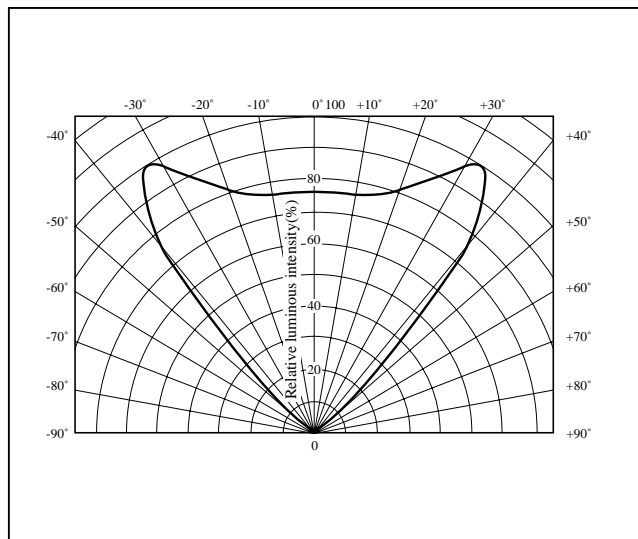
Outline Dimensions

(Unit : mm)



Directive Characteristics

(Ta=25°C)



Absolute Maximum Ratings

(Ta=25°C)

Model No.	Emitting color	Material	Power dissipation P (mW)	Forward current IF (mA)	Peak forward current IFM (mA)	Derating factor (mA/°C)		Reverse voltage VR (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} ^{*3} (°C)
						DC	Pulse				
GL3UR43	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50 ^{*1}	0.40	0.67	4	-25 to +85	-25 to +100	260
GL3TR43	Red(High-luminosity)	GaAlAs on GaAs	110	50	300 ^{*2}	0.67	4.00	5	-25 to +85	-25 to +100	260

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

*2 Duty ratio=1/16, Pulse width<=1ms

*3 5s or less(At the position of 1.6mm or more from the bottom face of resin package)

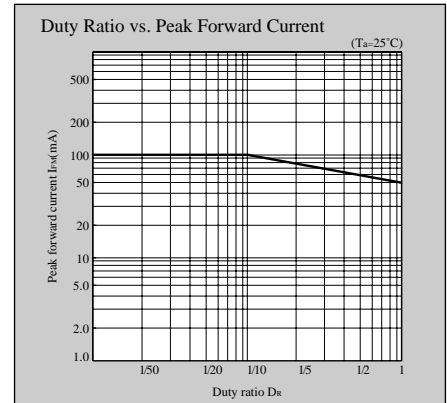
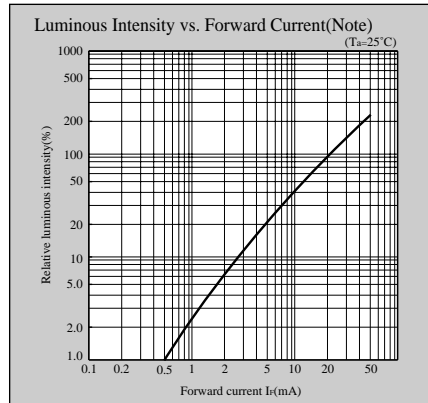
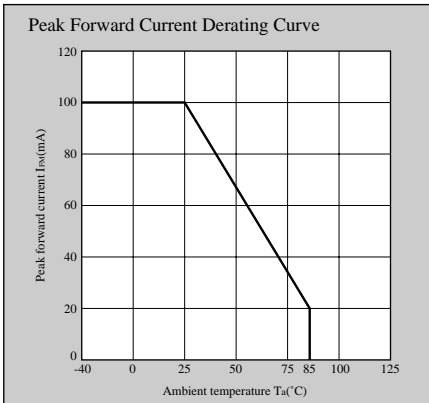
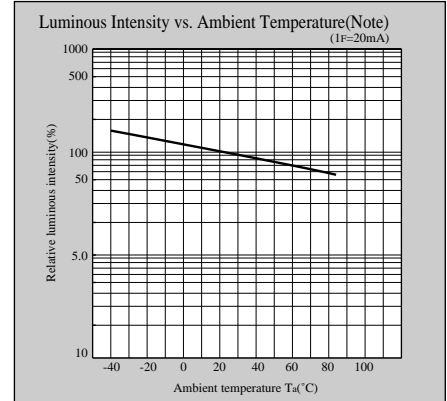
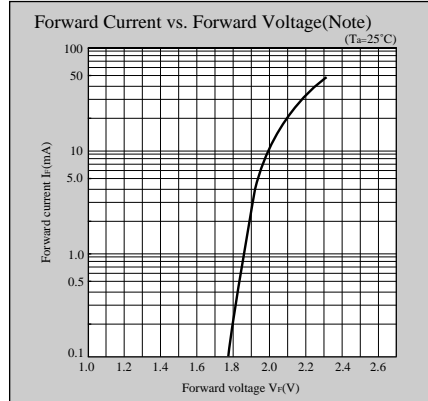
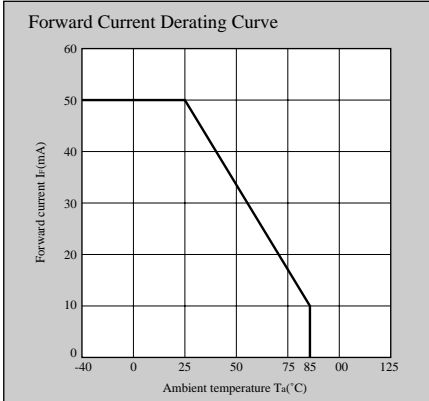
Electro-optical Characteristics

(Ta=25°C)

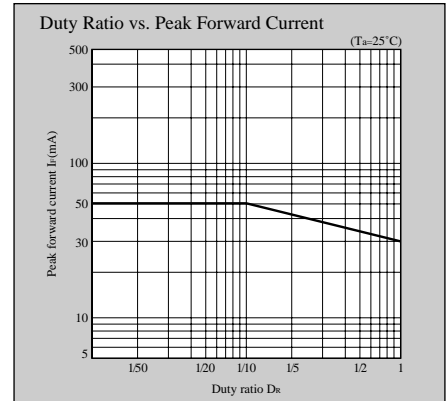
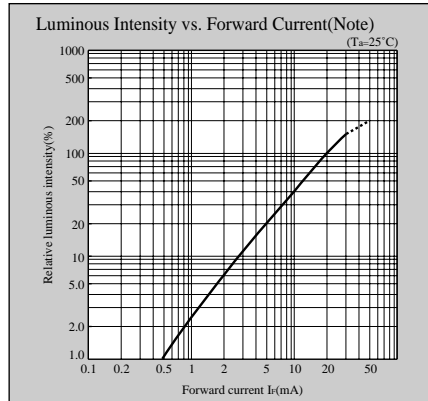
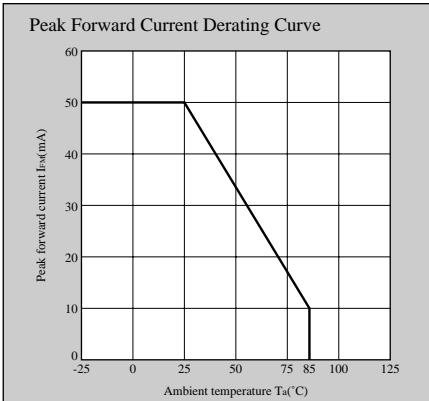
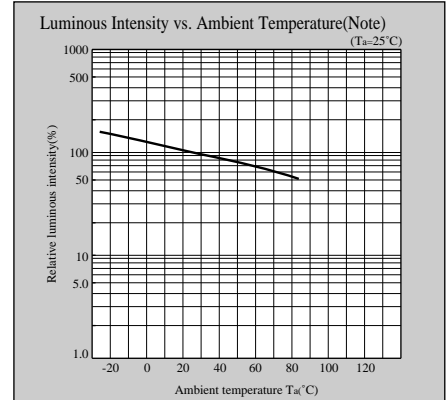
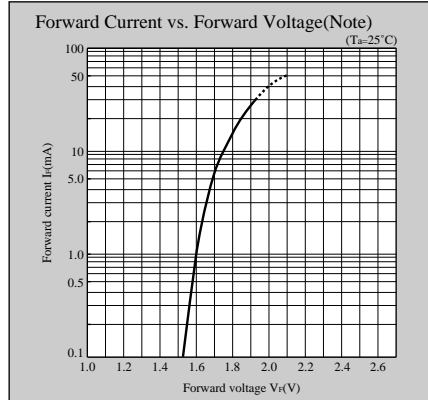
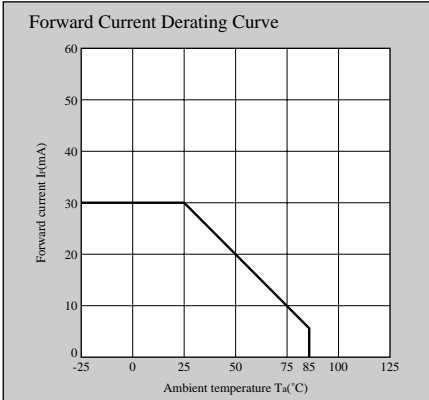
Lens type	Model No.	Forward voltage VF(V)		Peak emission wavelength λp(nm)		Luminous intensity Iv(mcd)		Spectrum radiation bandwidth Δλ(nm)		Reverse current IR(μA)		Terminal capacitance Ct(pF)		Page for characteristics diagrams
		TYP	MAX	TYP	IF (mA)	TYP	IF (mA)	TYP	IF (mA)	MAX	VR (V)	TYP	(MHz)	
Colored transparency	GL3UR43	1.85	2.5	660	20	100	20	20	20	100	3	25	1	99
	GL3TR43	1.75	2.2	660	20	20	20	20	20	10	4	30	1	100

Characteristics Diagrams

ZG series



UR,U series

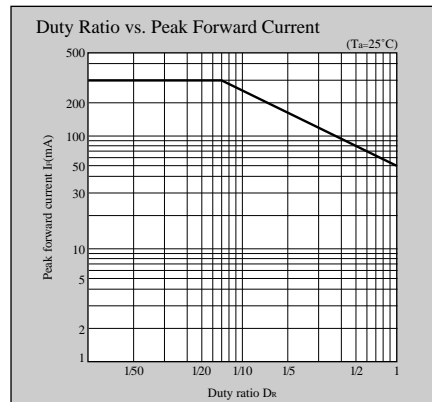
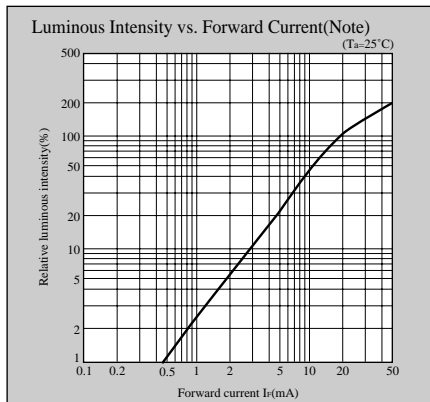
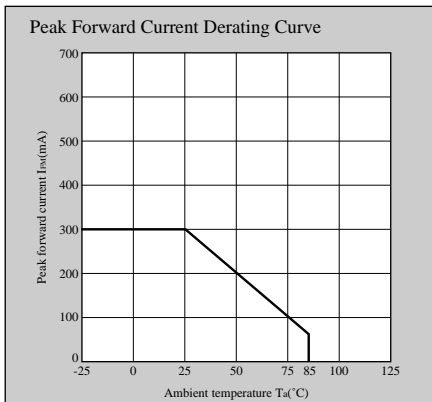
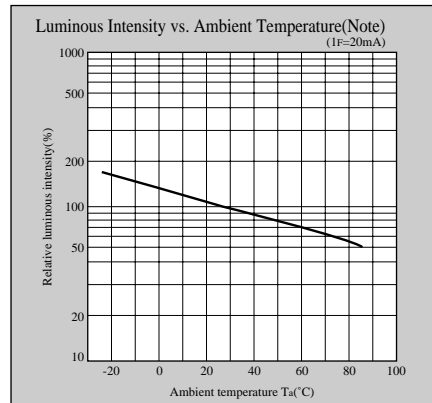
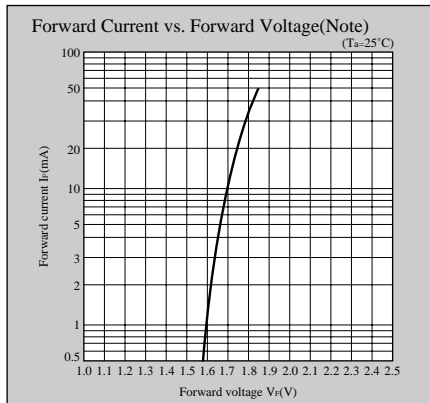
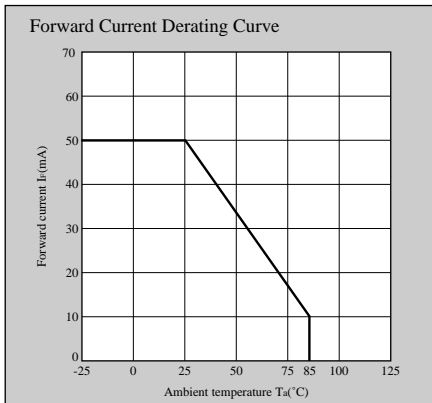


Note) Characteristics shown in diagrams are typical values. (not assurance value)

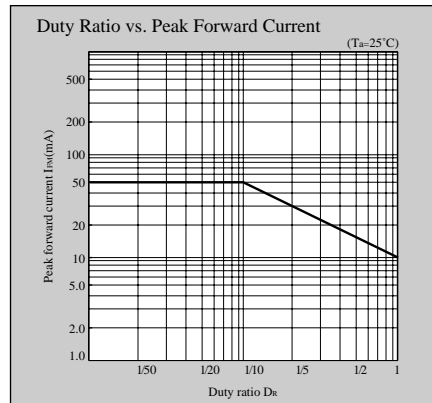
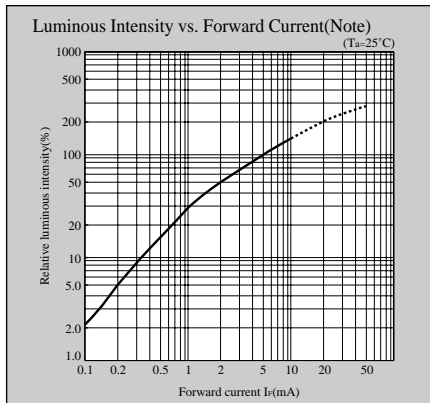
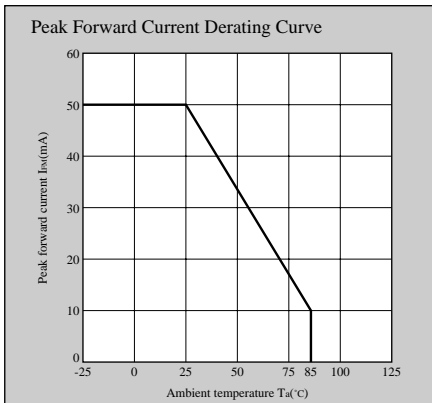
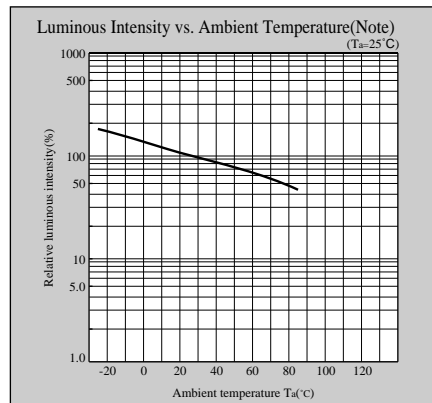
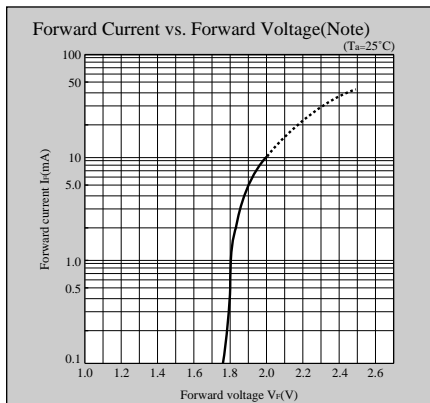
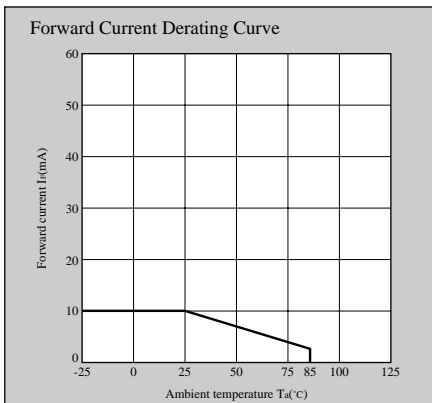
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Characteristics Diagrams

TR,T series



PR,P series



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

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- Telecommunication equipment [terminal]
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- Industrial control
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- Consumer electronics

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