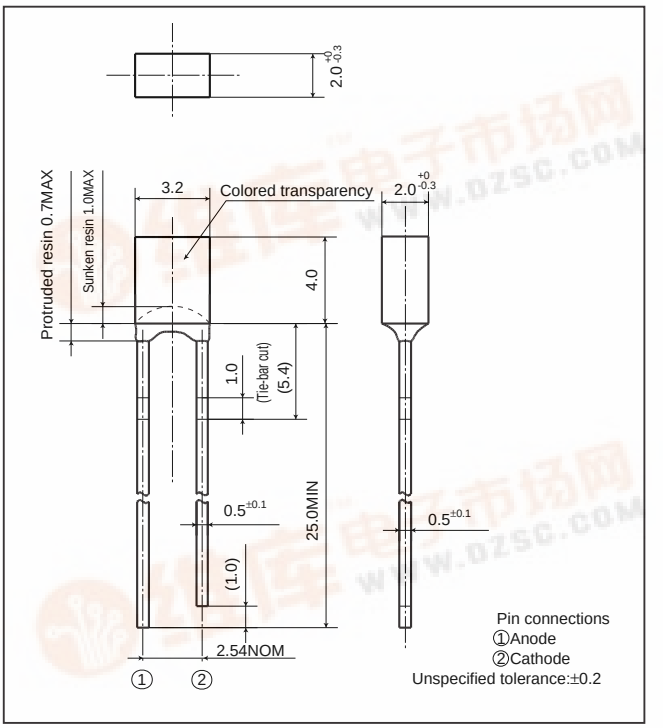
GL8❑❑25 series

2.0×3.2mm, Rectangle Type, Colored Transparency LED Lamps for Backlight/Indicator

■ Outline Dimensions

(Unit : mm)



■ 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) DC	Derating factor (mA/˚C) Pulse	Reverse voltage VR (V)	Operating temperature Topr (˚C)	Storage temperature Tstg (˚C)	Soldering temperature Tsol*2 (˚C)
GL8PR25	Red	GaP	48	20	50	0.27	0.67	5	-25 to +85	-25 to +100	260
GL8HD25	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL8HS25	Sunset orange	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL8HY25	Yellow	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL8EG25	Yellow-green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL8KG25	Green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260

*1 Duty ratio=1/10, Pulse width=0.1ms
*2 5s or less(At the position of 1.6mm or more from the bottom face of resin package)

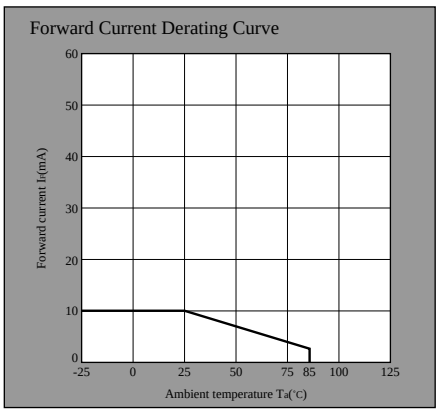
■ Electro-optical Characteristics

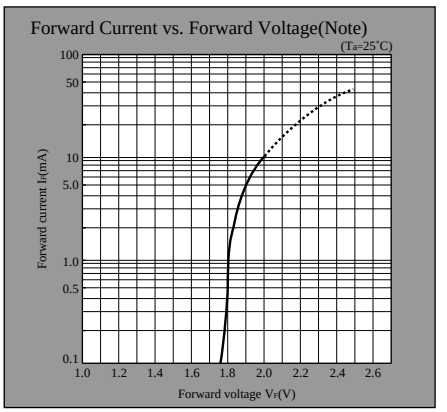
(Ta=25˚C)

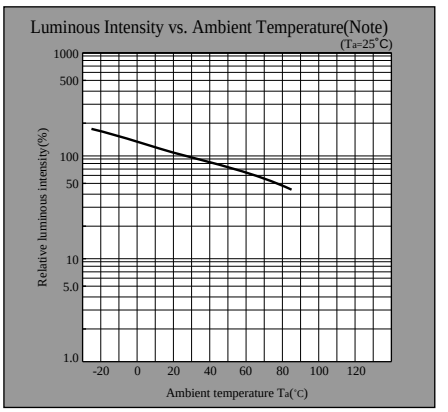
Lens type	Model No.	Forward voltage VF(V) TYP	Forward voltage VF(V) MAX	Peak emission wavelength λp(nm) TYP	Peak emission wavelength IF (mA)	Luminous intensity Iv(mcd) TYP	Luminous intensity IF (mA)	Spectrum radiation bandwidth Δλ(nm) TYP	Spectrum radiation bandwidth IF (mA)	Reverse current IR(μA) MAX	Reverse current VR (V)	Terminal capacitance Ct(pF) TYP	Terminal capacitance (MHz)	Page for characteristics diagrams
Colored transparency	GL8PR25	2.0	2.4	695	10	1.5	10	100	10	10	4	55	1	→
	GL8HD25	2.0	2.8	635	20	12.0	20	35	20	10	4	20	1	→
	GL8HS25	2.0	2.8	610	20	10.0	20	35	20	10	4	15	1	→
	GL8HY25	2.0	2.8	585	20	12.0	20	30	20	10	4	35	1	→
	GL8EG25	2.1	2.8	565	20	12.0	20	30	20	10	4	35	1	→
	GL8KG25	2.1	2.8	555	20	9.0	20	25	20	10	4	40	1	→

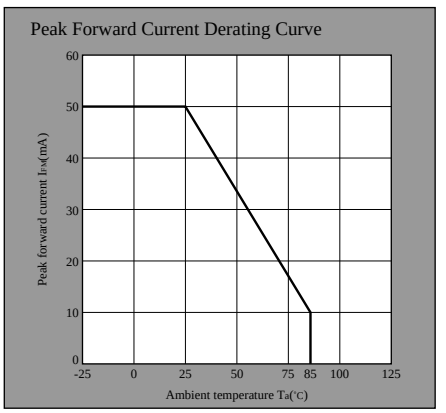
LED Lamp Characteristics Diagrams

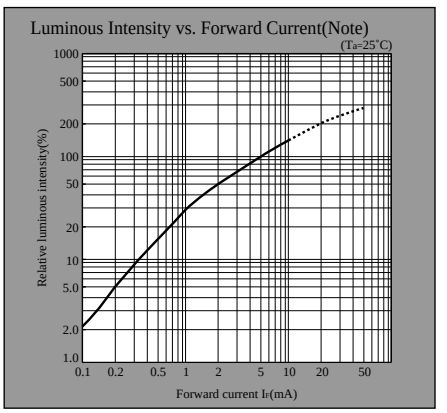
PR series

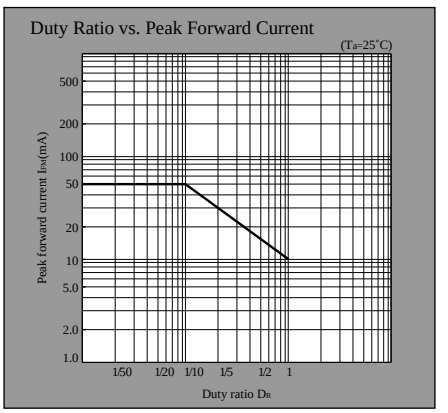




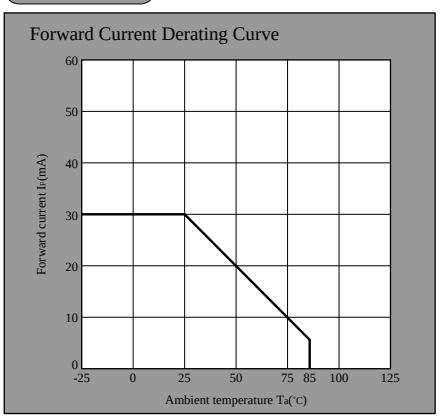


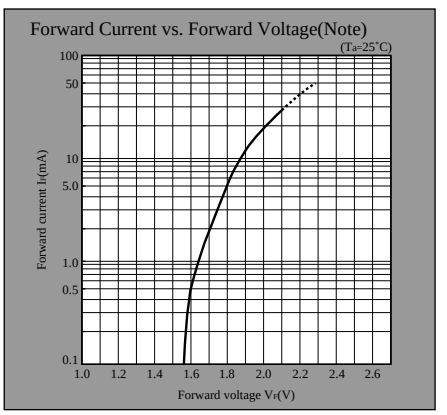


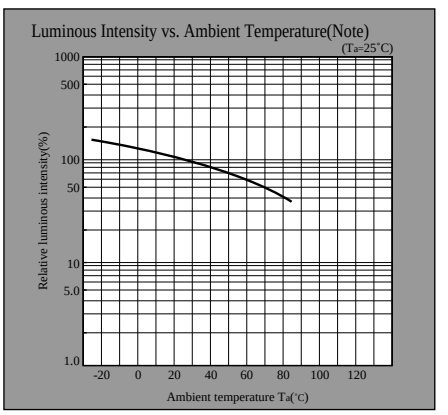


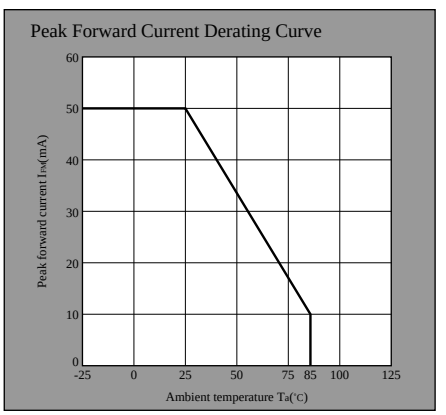


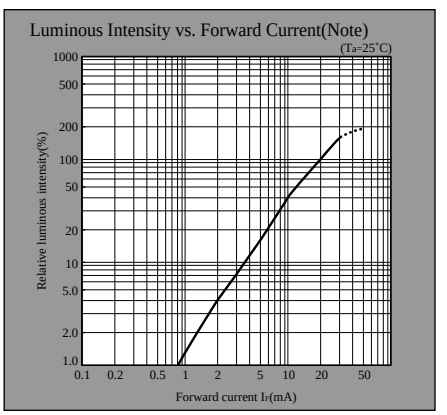
HD series

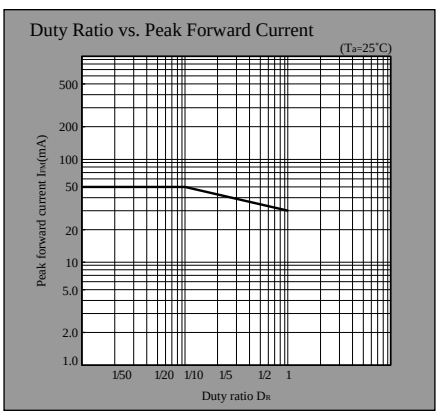










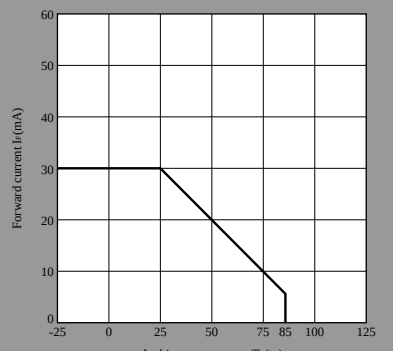


Note)Characteristics shown in diagrams are typical values. (not assurance value)

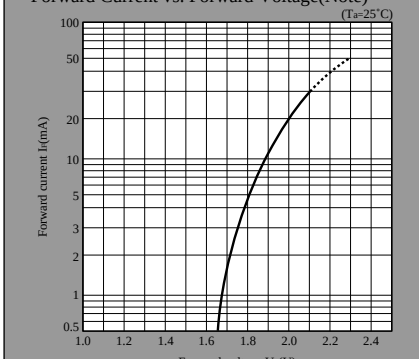
LED Lamp Characteristics Diagrams

HS series

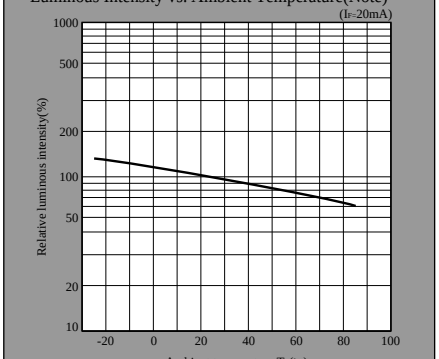
Forward Current Derating Curve



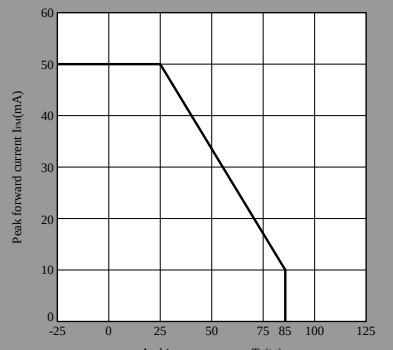
Forward Current vs. Forward Voltage(Note)



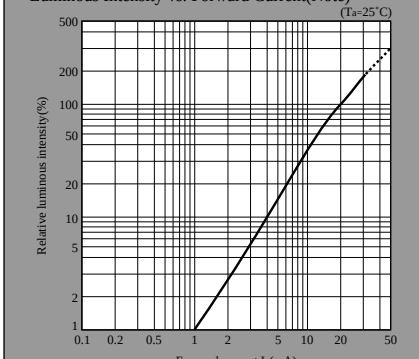
Luminous Intensity vs. Ambient Temperature(Note)



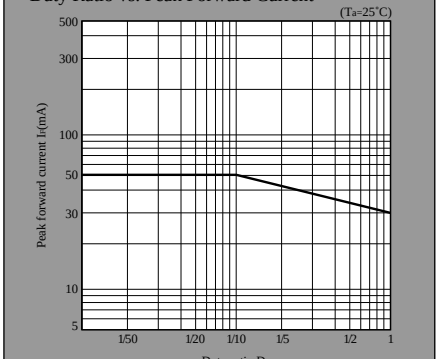
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)

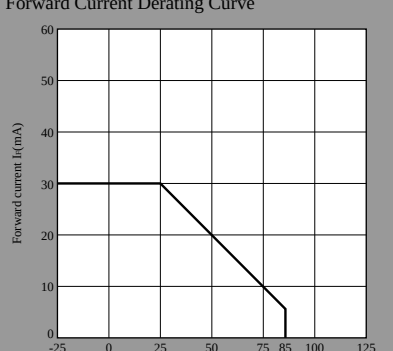


Duty Ratio vs. Peak Forward Current

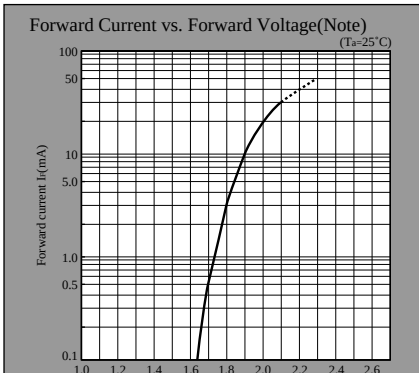


HY series

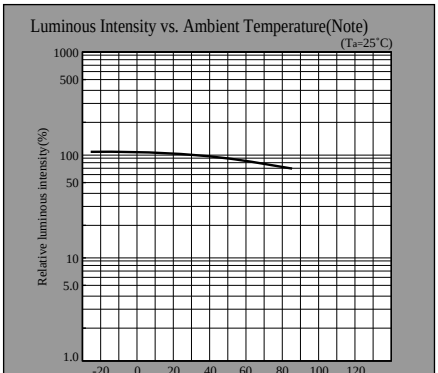
Forward Current Derating Curve



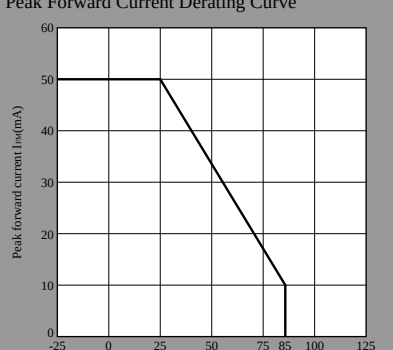
Forward Current vs. Forward Voltage(Note)



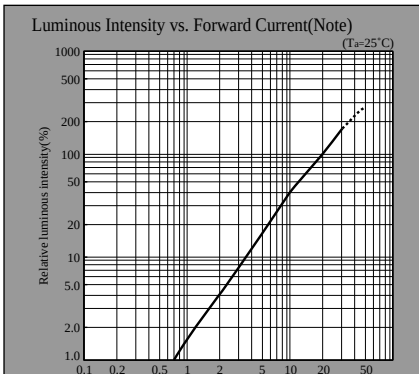
Luminous Intensity vs. Ambient Temperature(Note)



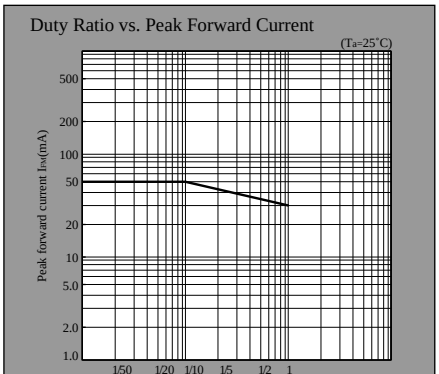
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)



Duty Ratio vs. Peak Forward Current



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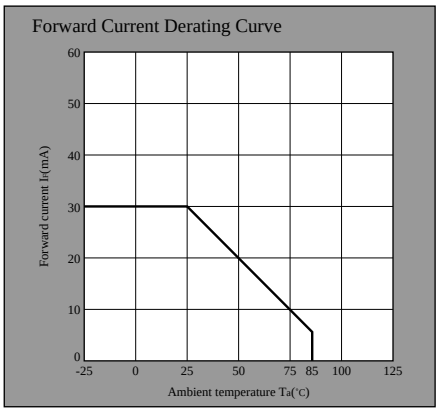
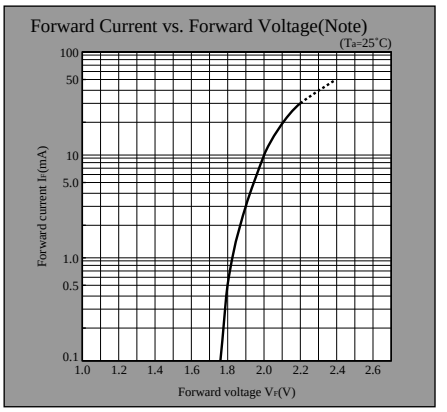
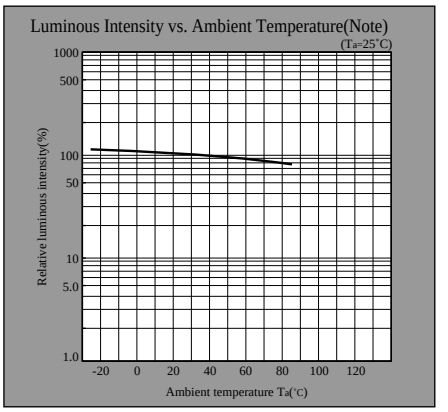
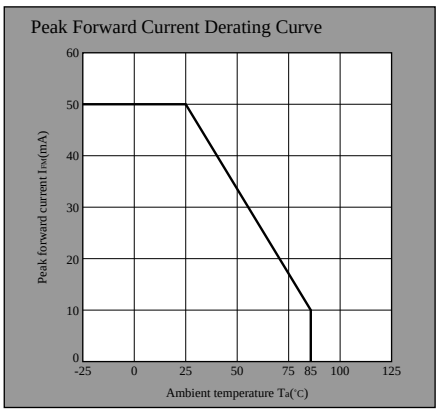
LED Lamp Characteristics Diagrams

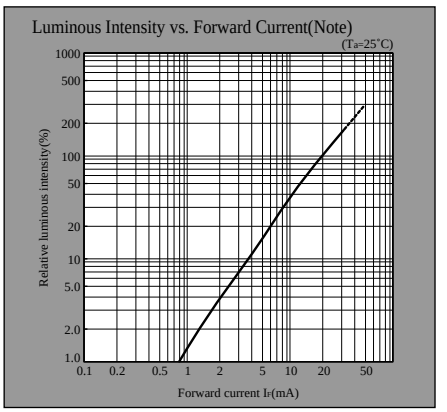
EG series

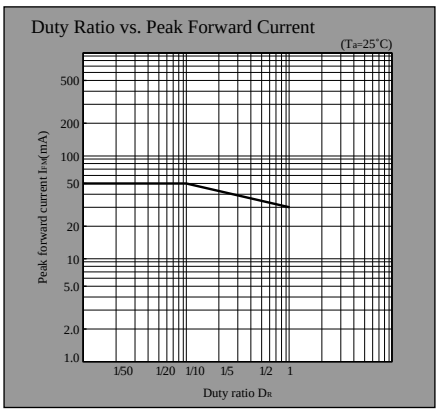




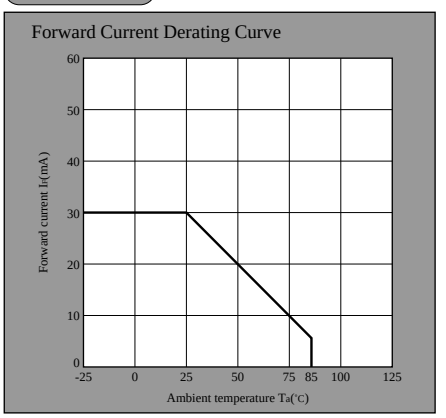


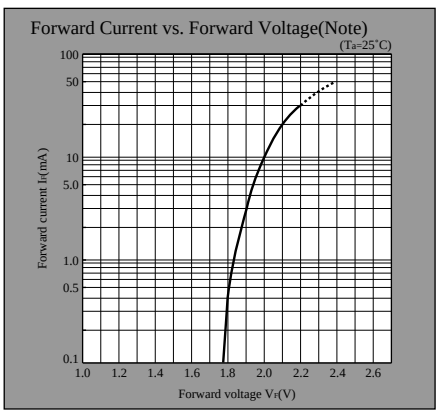


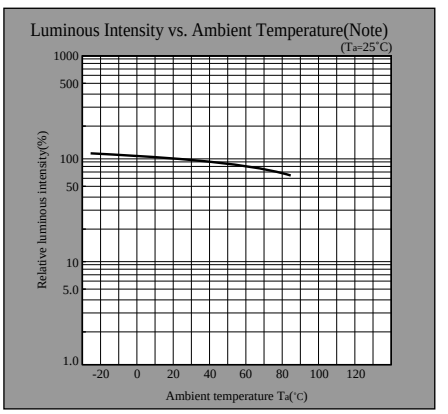


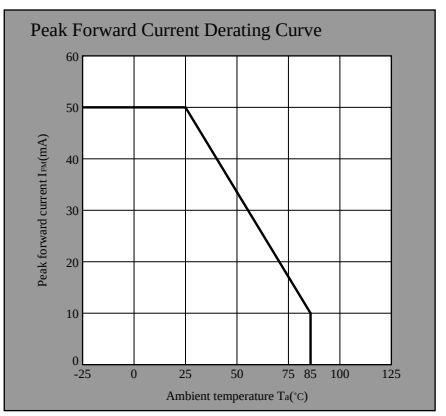


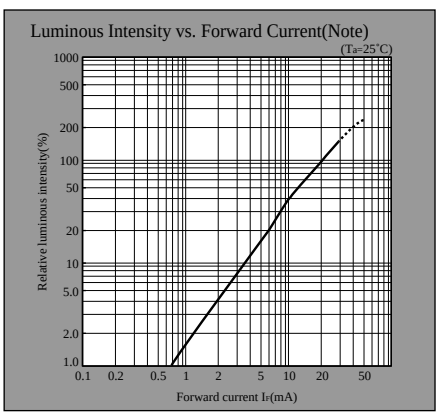
KG series

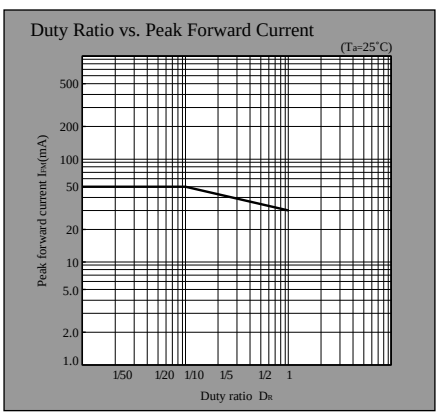












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