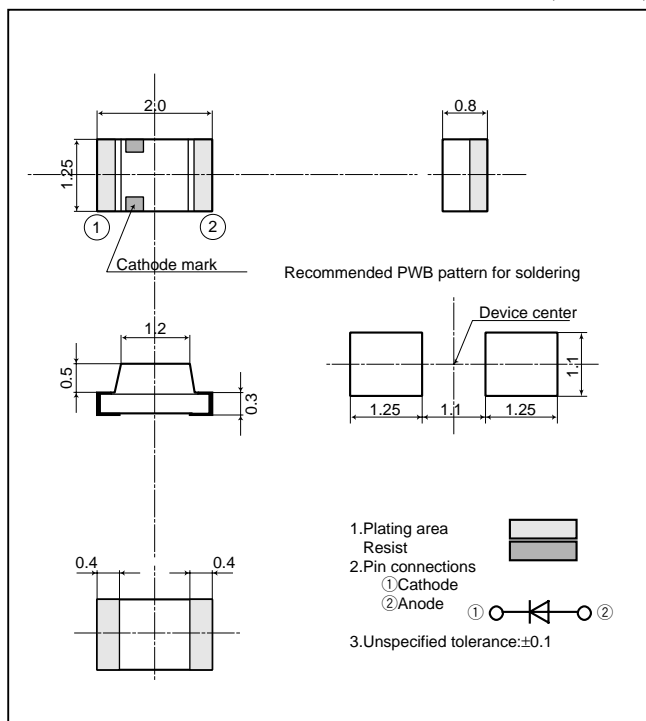


LT1□40A series

2125 Size, 0.8mm Thickness, Leadless Chip LED

■ Outline Dimensions

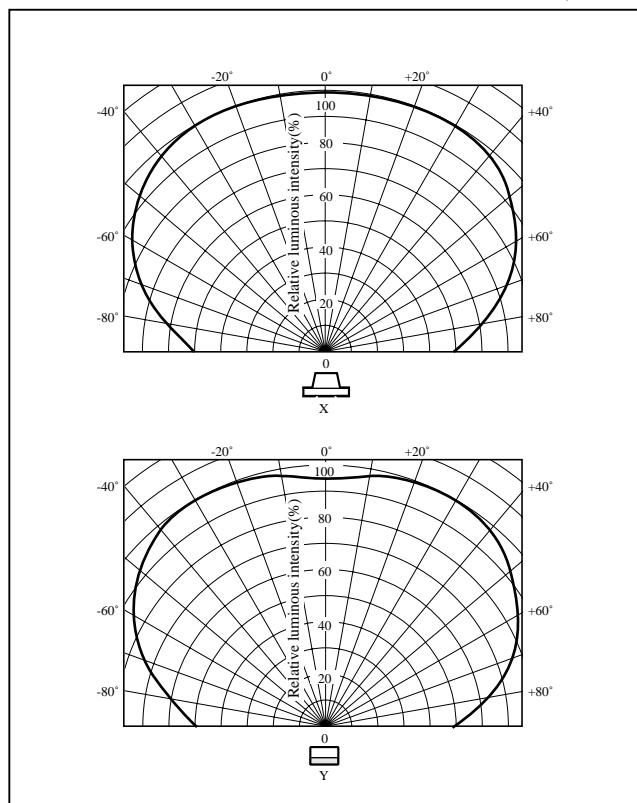
(Unit : mm)



LT1U40A: There is Anode mark on the device because polarity faces in the opposite direction.

■ Directive Characteristics

(T_a=25°C)



■ Absolute Maximum Ratings

(T_a=25°C)

Model No.	Emitting color	Material	Power dissipation P (mW)	Forward current I _F (mA)	Peak forward current I _{FM} *1 (mA)	Derating factor (mA/°C)		Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} *2 (°C)
						DC	Pulse				
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

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

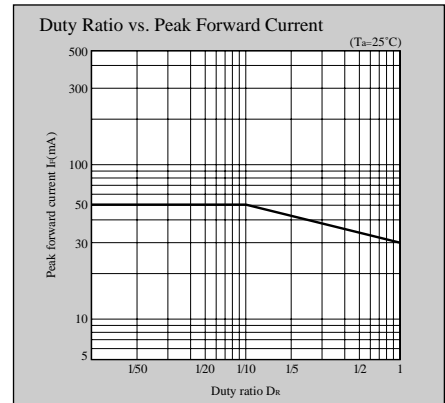
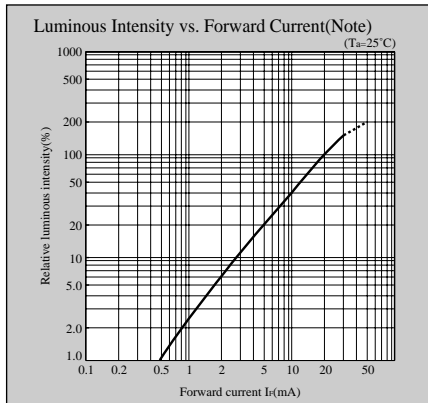
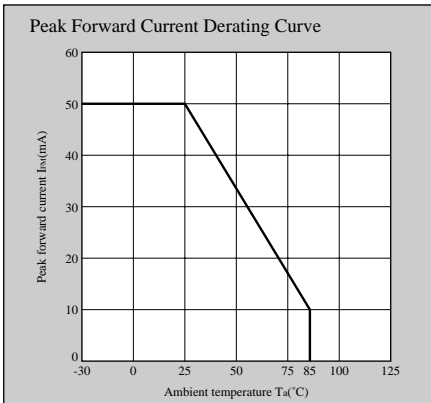
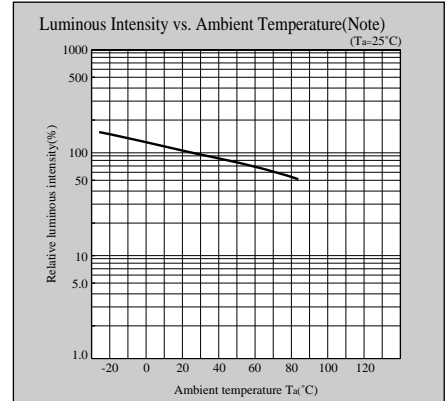
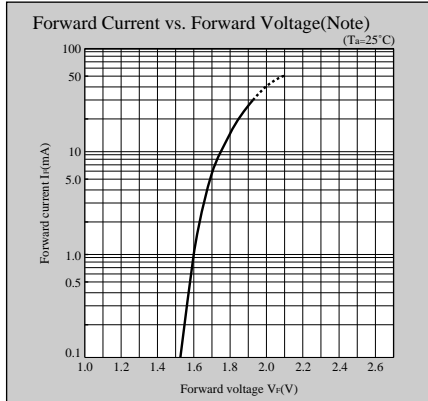
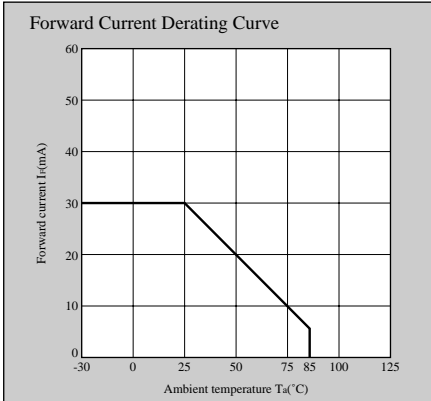
■ Electro-optical Characteristics

(T_a=25°C)

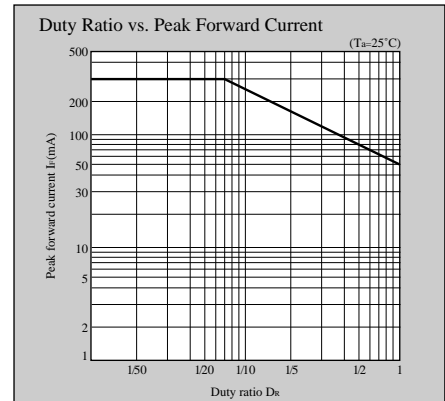
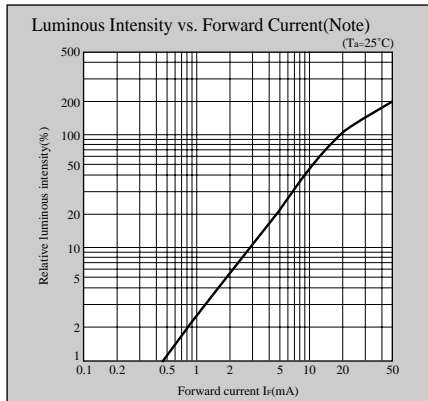
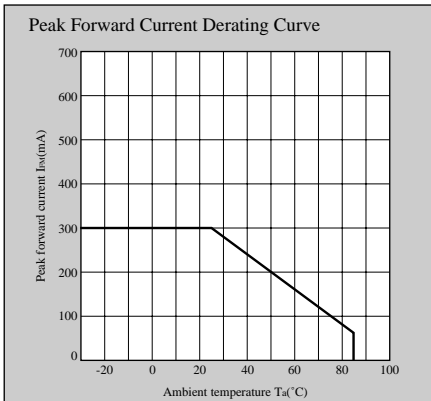
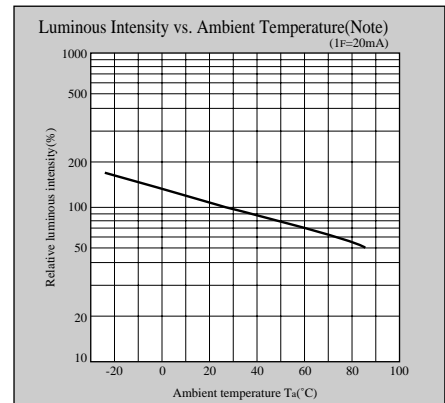
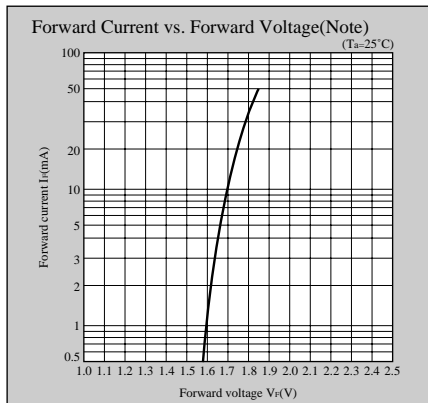
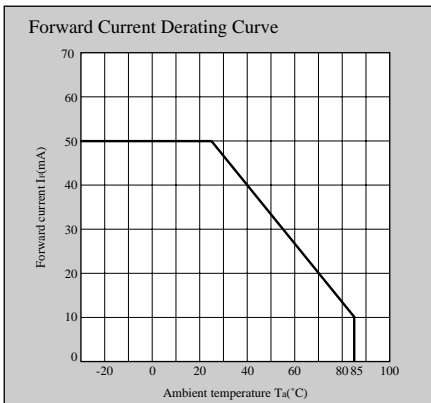
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λ _p (nm) TYP	I _F (mA)	I _v (mcd) TYP	I _F (mA)	Δλ(nm) TYP	I _F (mA)	I _R (μA) MAX	V _R (V)	C _t (pF) TYP	(MHz)	
Milky diffusion	LT1U40A	1.85	2.5	660	20	35.6	20	20	20	100	3	25	1	56
	LT1P40A	1.9	2.3	695	5	1.3	5	100	5	10	4	55	1	57
	LT1D40A	2.0	2.8	635	20	11.9	20	35	20	10	4	20	1	57
	LT1S40A	2.0	2.8	610	20	9.4	20	35	20	10	4	15	1	58
	LT1H40A	2.0	2.8	585	20	10.8	20	30	20	10	4	35	1	58
	LT1E40A	2.1	2.8	570	20	19.0	20	30	20	10	4	35	1	59
	LT1K40A	2.1	2.8	555	20	5.0	20	25	20	10	4	40	1	59

Characteristics Diagrams

UR,U series



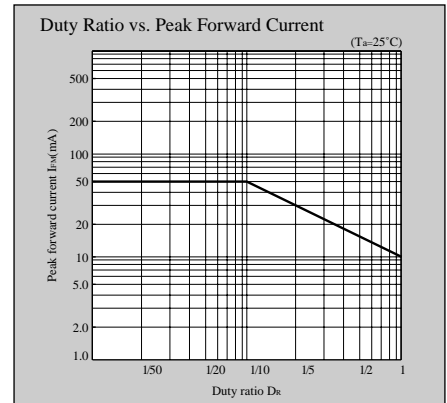
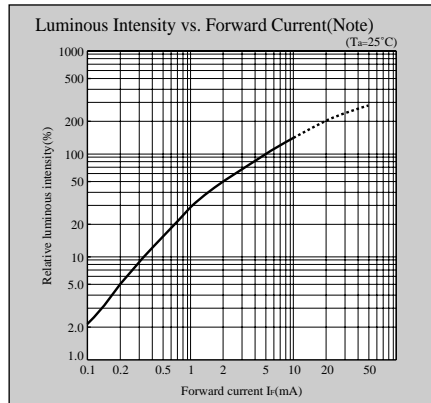
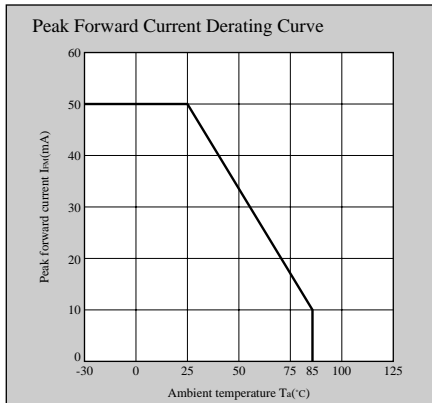
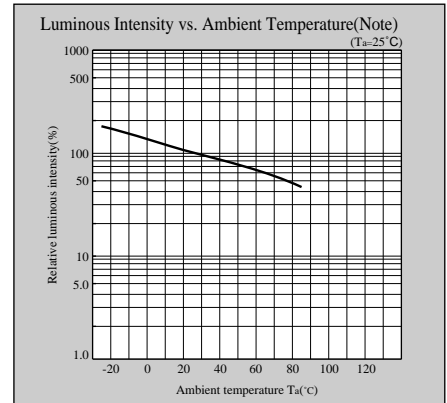
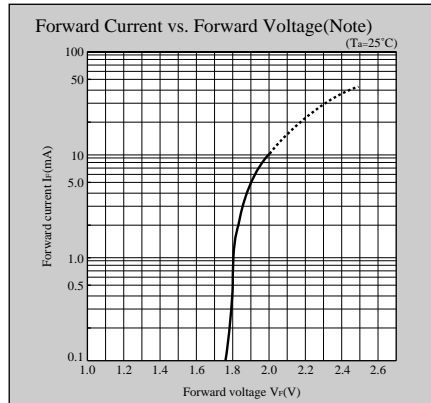
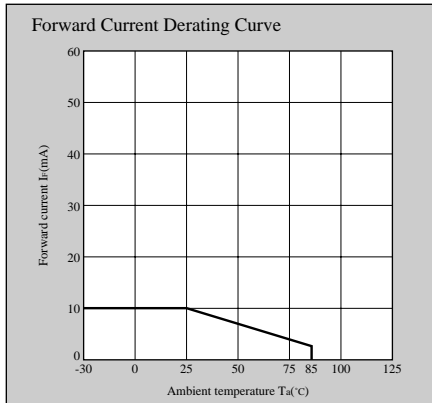
TR,T series



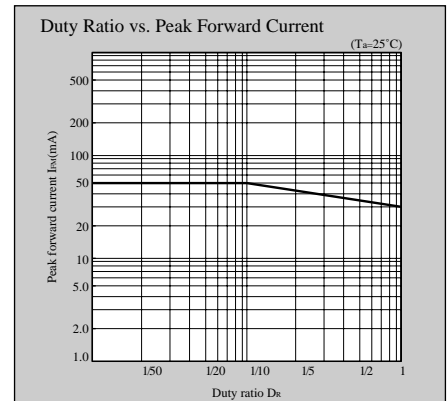
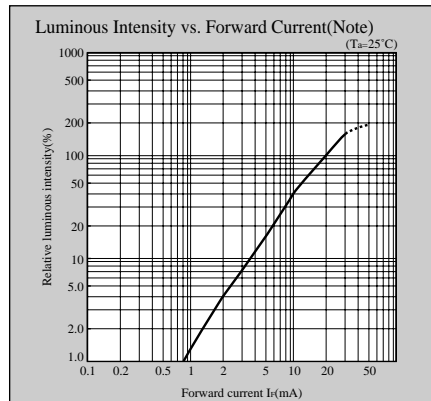
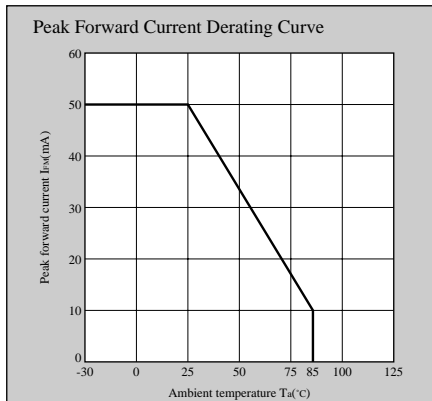
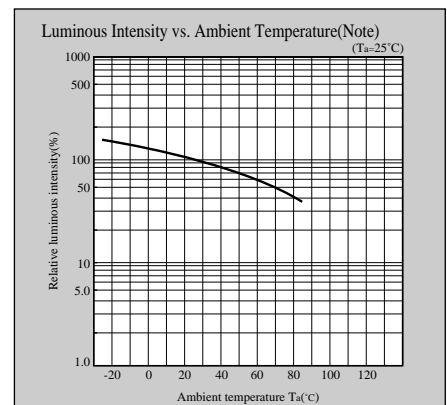
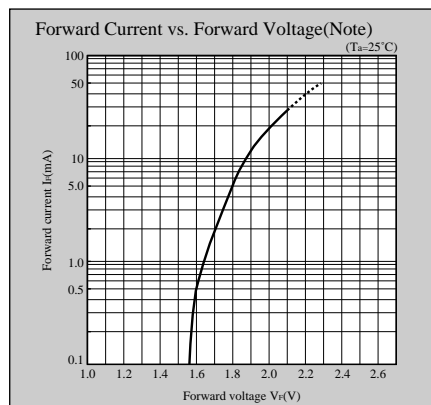
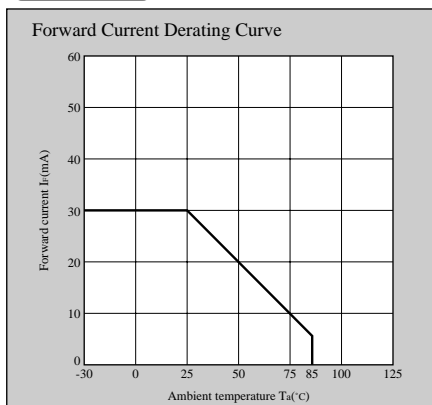
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

PR,P series



HD,D series



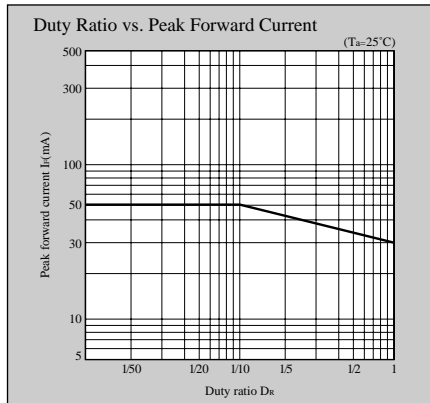
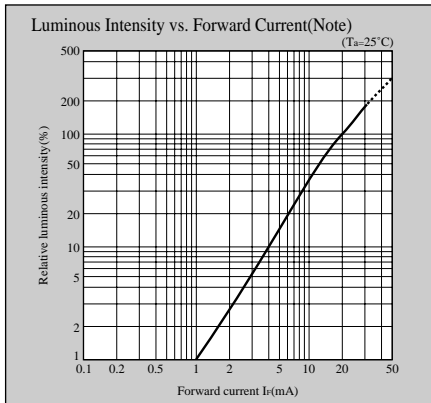
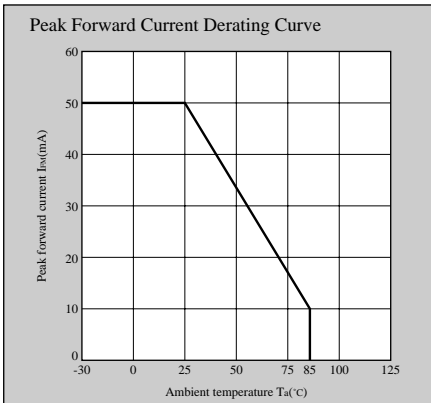
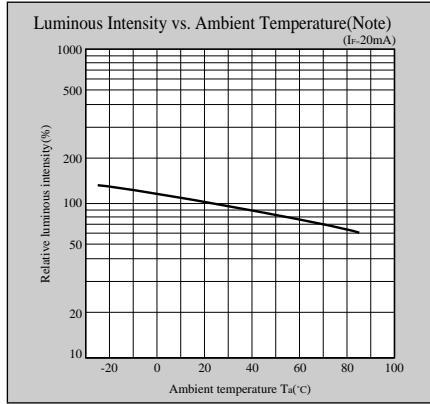
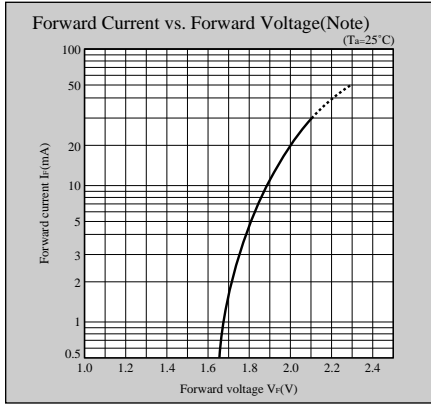
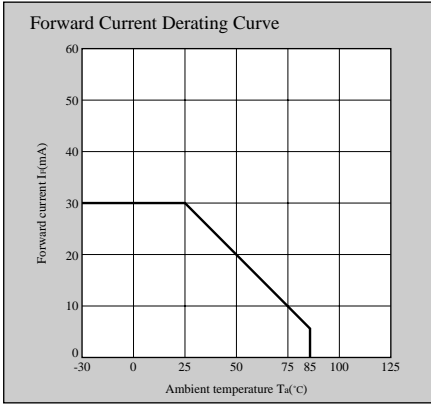
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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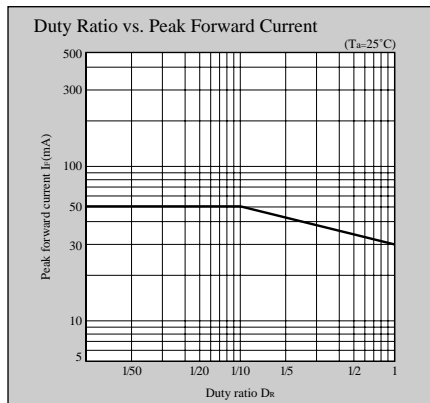
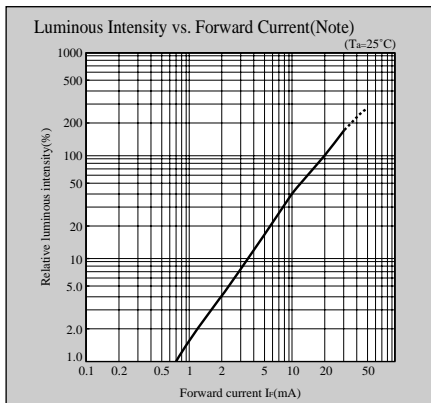
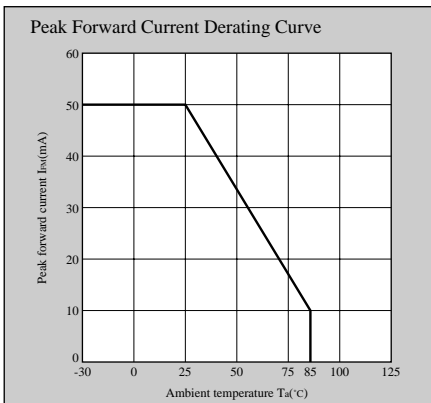
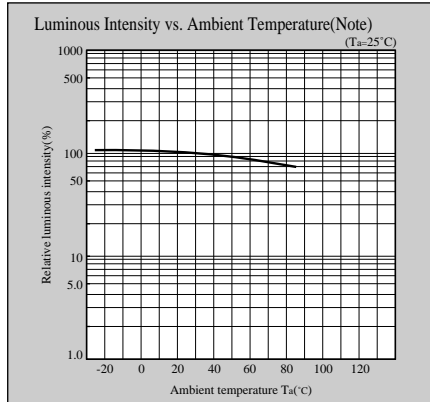
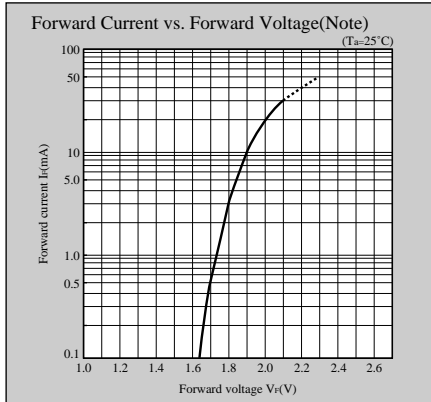
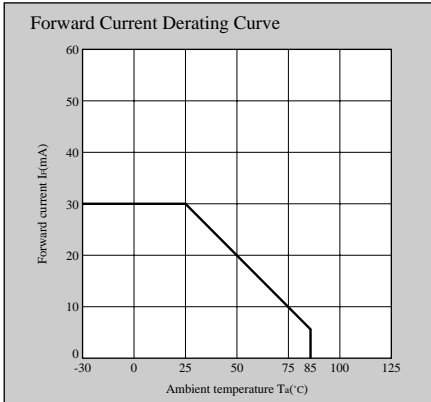
Internet Internet address for Electronic Components Group <http://sharp-world.com/ecg>

Characteristics Diagrams

HS,S series



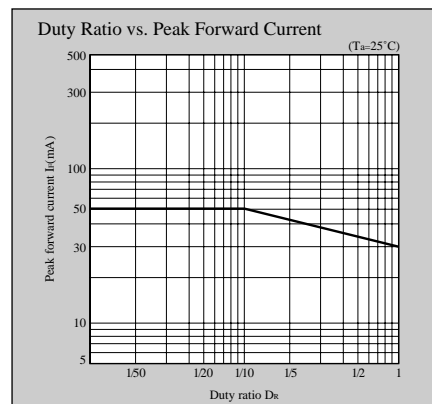
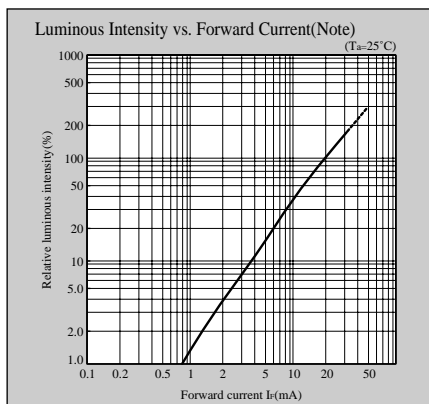
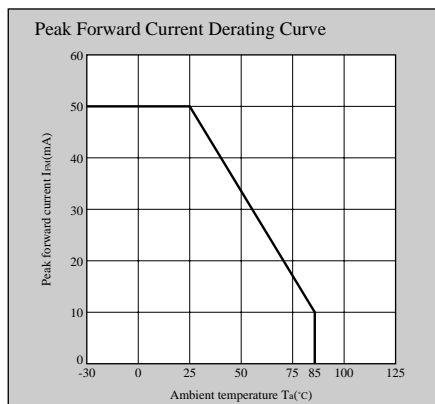
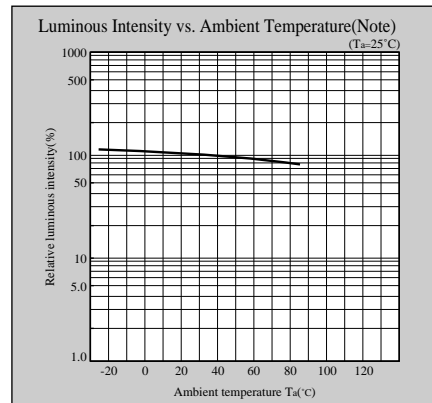
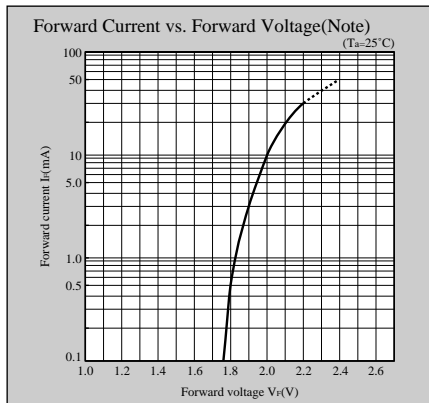
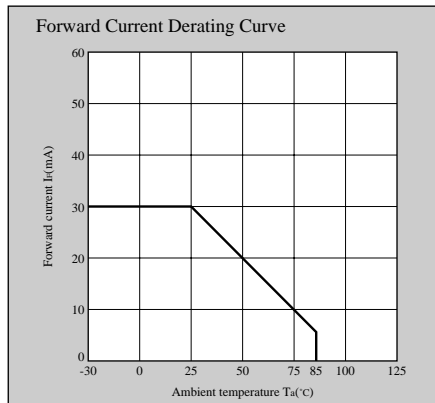
HY,H series



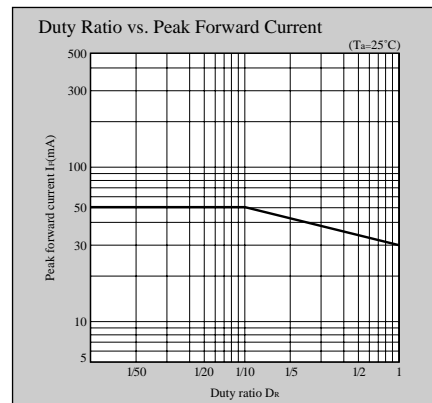
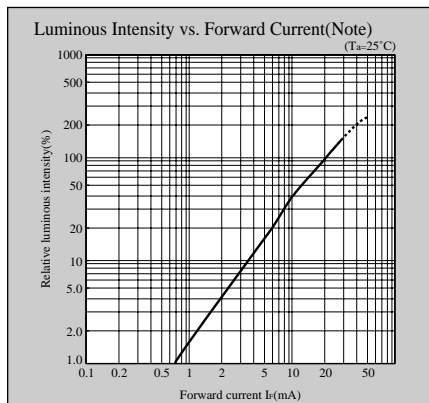
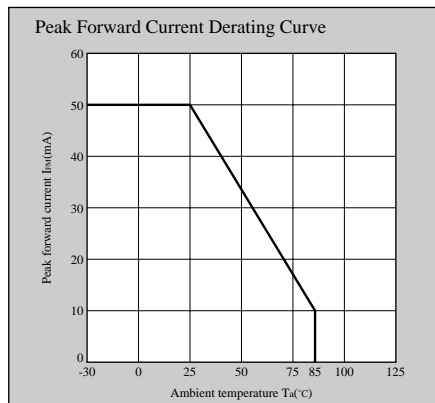
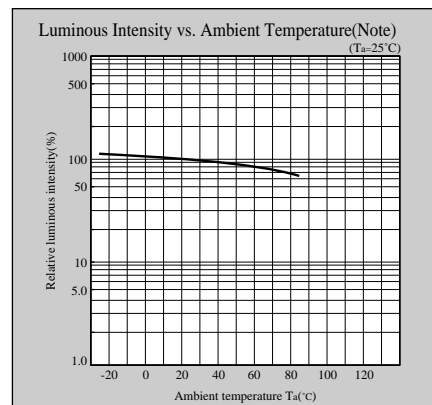
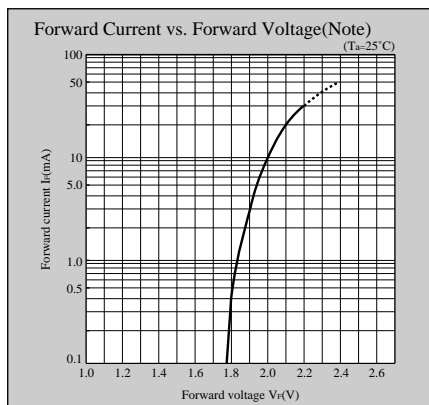
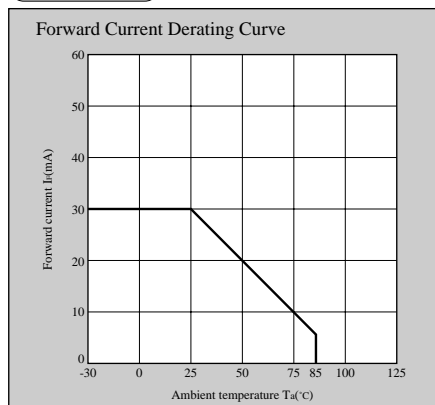
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

EG,E,F series



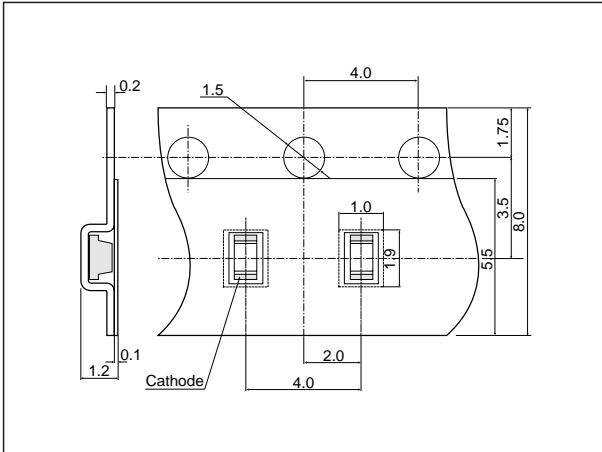
KG,K series



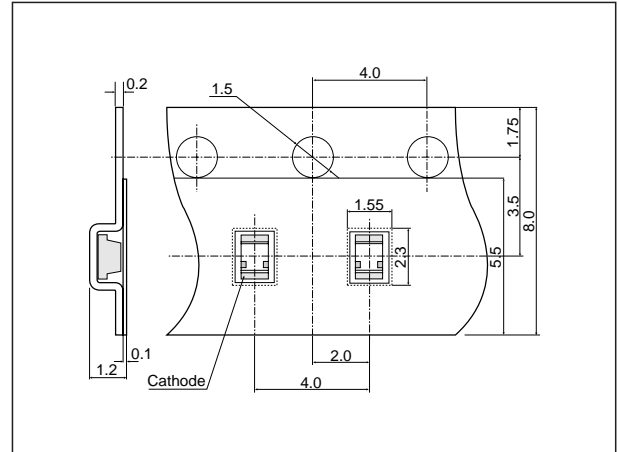
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Taping Specifications

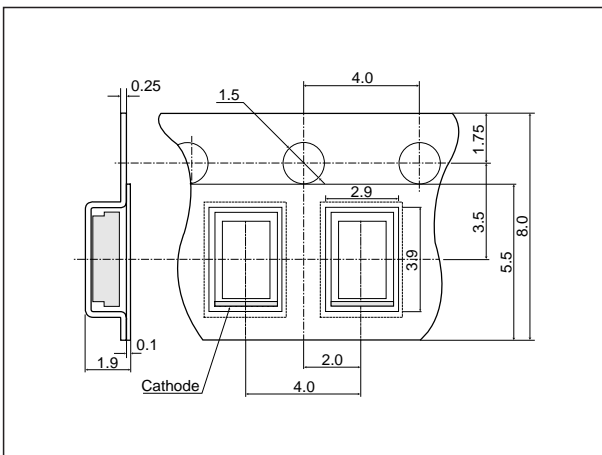
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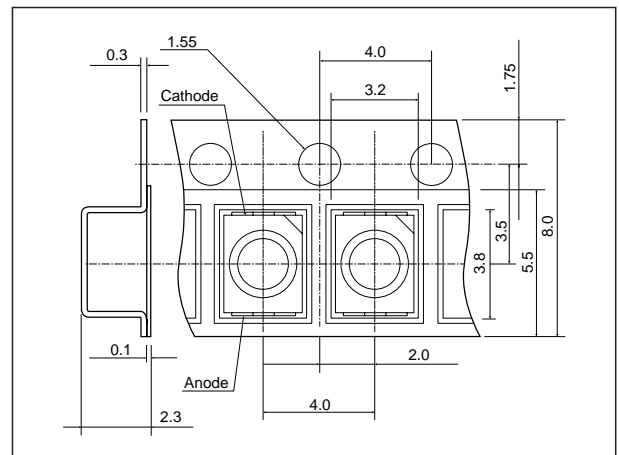
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 LT1□□67A series 4 000 pcs. /reel
 LT1□□97A series 5 000 pcs. /reel



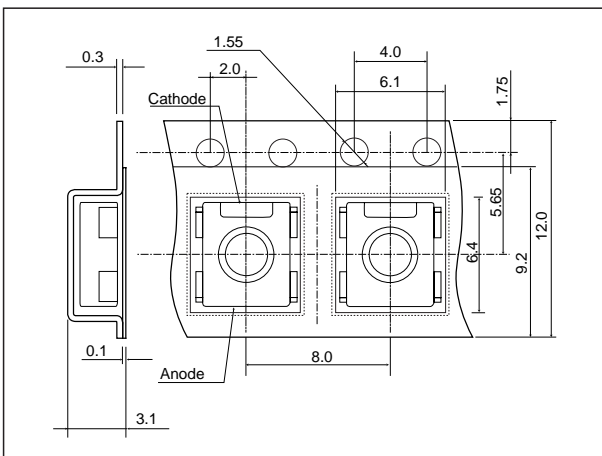
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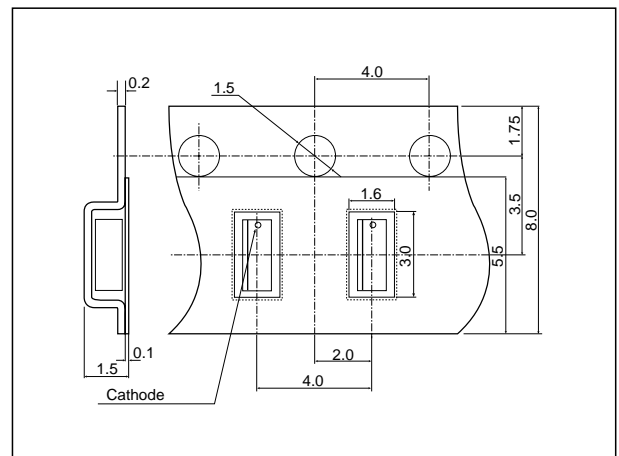
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GM5□□95200A□ series/LT1Z□□95A series 2 000 pcs. /reel



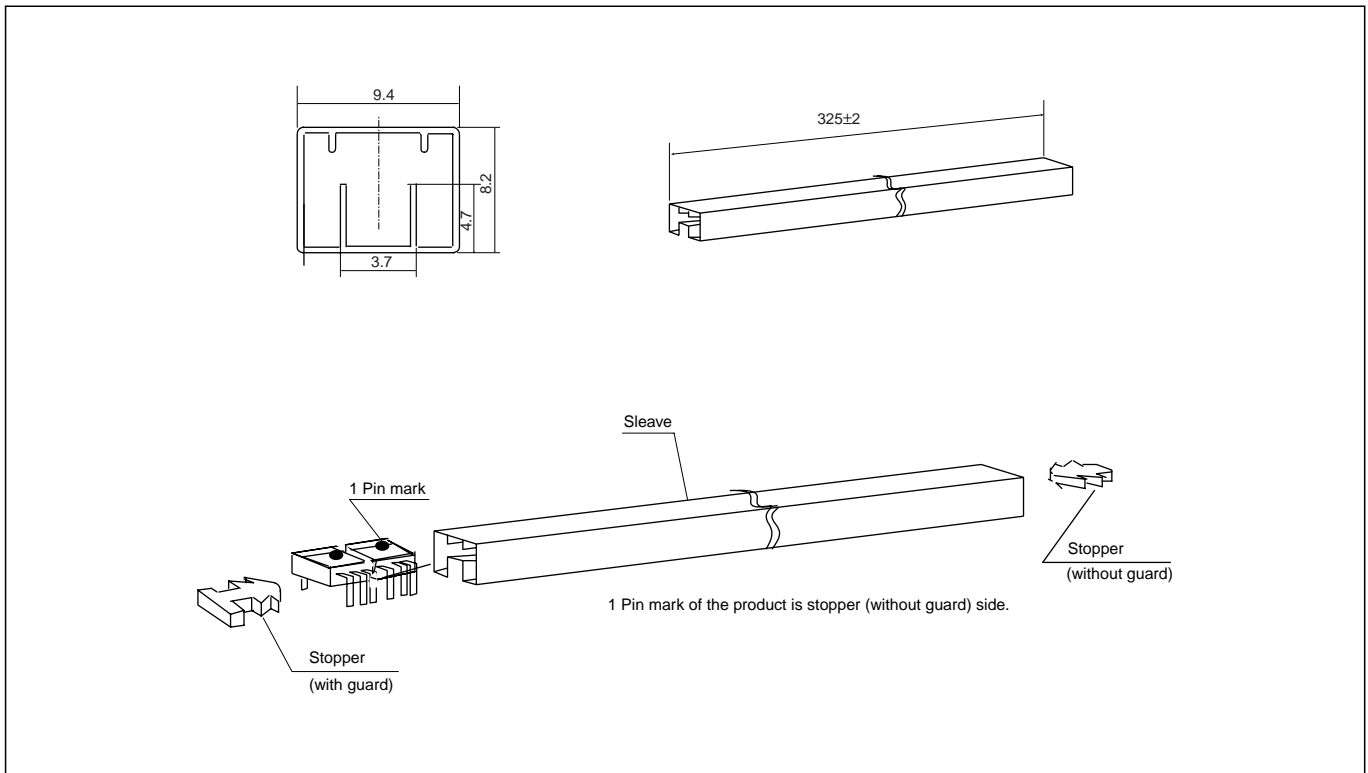
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 GM5WA06250A 800 pcs. /reel



LT1□□45A series/GM4□□C13300AC series 3 000 pcs. /reel

Taping Specifications

■Lead type Chip LED (Unit : mm)





GM5□□03200Z series/GM5WA06200Z/GM5WA06250Z 1 000 pcs. (50 pcs./sleeve × 20)

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