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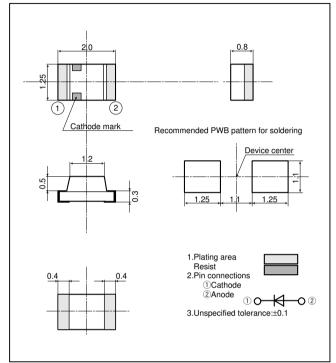


LT1Z□40A series

2125 Size, 0.8mm Thickness, Leadless Chip LED

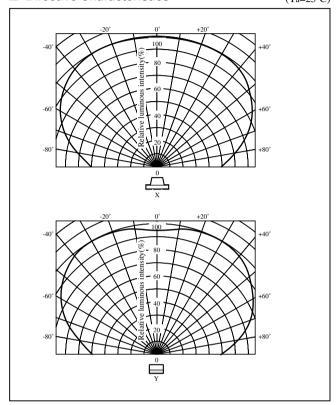
■ Outline Dimensions

(Unit: mm)



■ Directive Characteristics

(Ta=25°C)



■ Absolute Maximum Ratings

(Ta=25°C)

											(1a-23 C)
Model No.	Emitting color	Material	Power dissipation Forward current P IF		Peak forward current IFM*1	Derating factor (mA/°C)		Reverse voltage V _R	Operating temperature Topr	Storage temperature T_{stg}	Soldering temperature $\mathbf{T_{sol}}^{*2}$
			(mW)	(mA)	(mA)	DC	Pulse	(V)	(°C)	(°C)	(°C)
LT1ZR40A	Red	AlGaInP on GaAs	78	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1ZJ40A	Orange	AlGaInP on GaAs	78	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1ZS40A	Sunset orange	AlGaInP on GaAs	78	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1ZV40A	Amber	AlGaInP on GaAs	78	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1ZE40A	Yellow-green	AlGaInP on GaAs	78	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1ZG40A	Green	AlGaInP on GaAs	78	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350

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

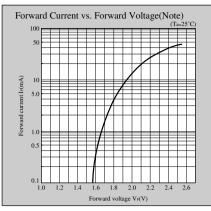
■ Electro-optical Characteristics

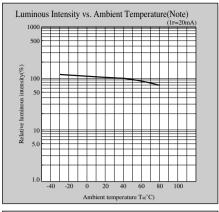
 $(I_F=20mA, T_a=25^{\circ}C)$

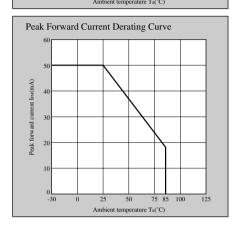
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength λ _P (nm)	Dominant wavelength λ _d (nm)	Luminous intensity Iv(mcd)	Spectrum radiation bandwidth Δλ(nm)	Reverse current $I_R(\mu A)$ V_R		Terminal capacitance Ct(pF)		Page for characteristics
		TYP	MAX	TYP	TYP	TYP	TYP	MAX	(V)	TYP	(MHz)	diagrams
1	LT1ZR40A	2.1	2.6	647	635	78.7	20	100	4	60	1	53
	LT1ZJ40A	2.1	2.6	627	618	127.8	15	100	4	60	1	53
	LT1ZS40A	2.1	2.6	609	605	144.1	15	100	4	60	1	54
	LT1ZV40A	2.1	2.6	591	588	92.7	15	100	4	60	1	54
	LT1ZE40A	2.1	2.6	570	570	28.2	15	100	4	60	1	55
	LT1ZG40A	2.1	2.6	560	560	6.2	15	100	4	60	1	55

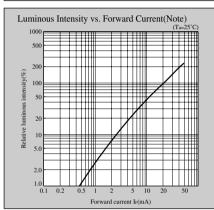
^{*2} For 3s or less at the temperature of hand soldering. Temperature of reflow soldering is shown on page 2.

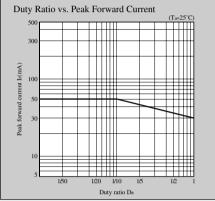
Characteristics Diagrams



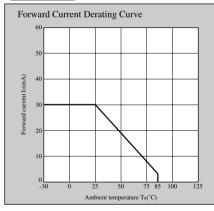


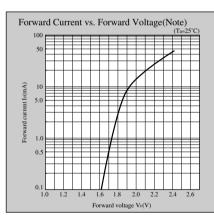


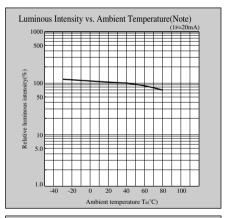


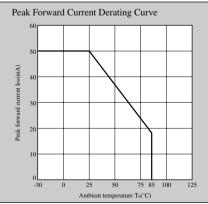


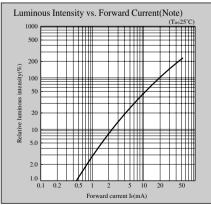
ZJ series

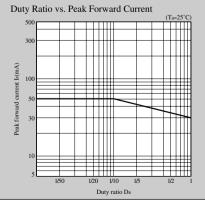








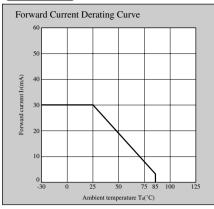


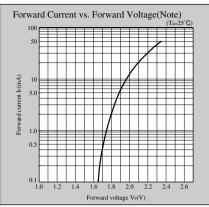


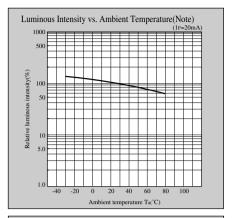
Note) Characteristics shown in diagrams are typical values. (not assurance value)

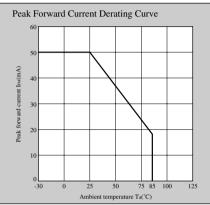
Characteristics Diagrams

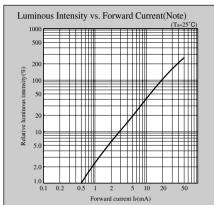
ZS series

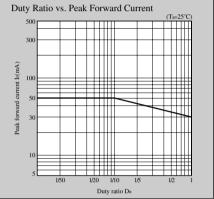




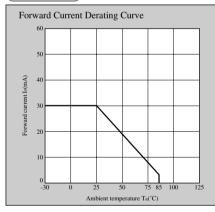


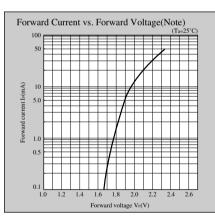


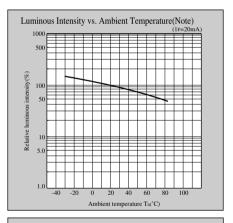


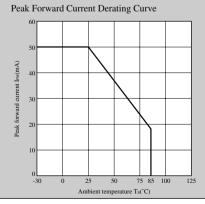


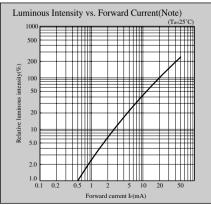
ZV series

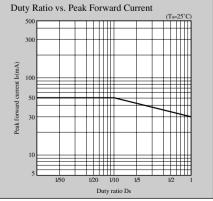








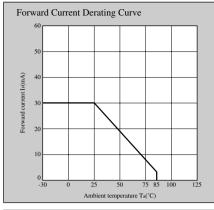


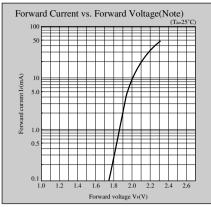


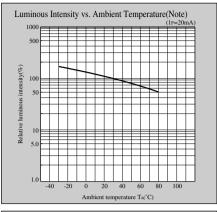
Note) Characteristics shown in diagrams are typical values. (not assurance value)

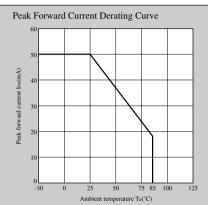
Characteristics Diagrams

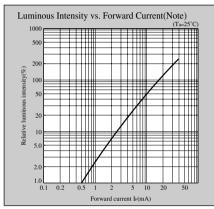
ZE series

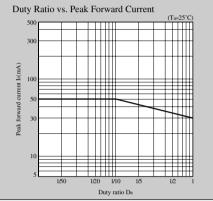




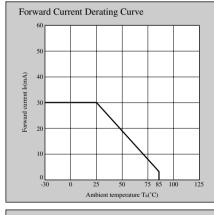


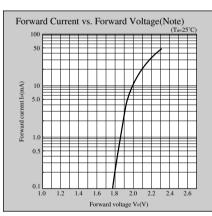


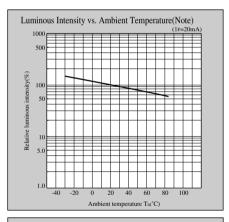


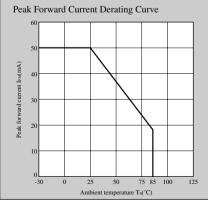


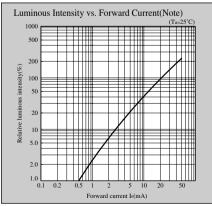
ZG series

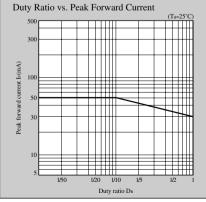








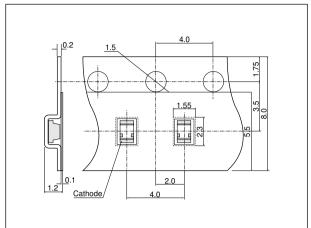




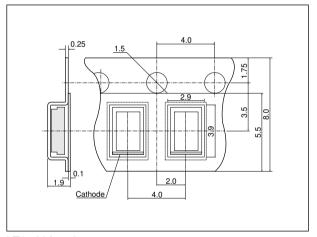
Note)Characteristics shown in diagrams are typical values. (not assurance value)

(Unit:mm)

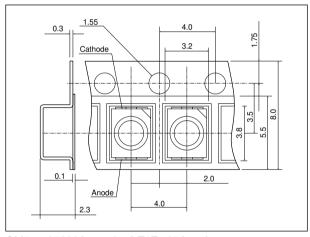
GM1□□35200A□ series 6 000 pcs. /reel GM1□□55200A□ series 5 000 pcs. /reel LT1□□67A series 4 000 pcs. /reel LT1□97A series 5 000 pcs. /reel



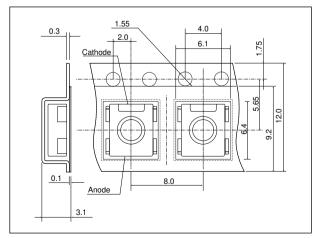
GM1□□40300AE series/LT1□□40A series 4 000 pcs. /reel



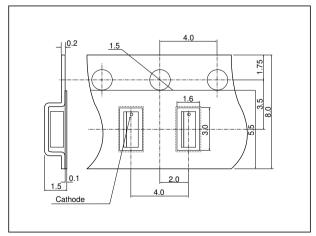
LT1□90A series 3 000 pcs. / reel



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



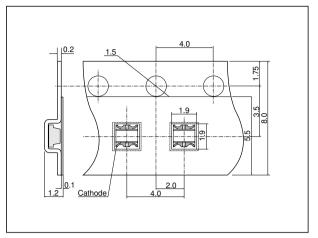
GM5 01200A series/GM5WA02200A/GM5WA06210A/ GM5WA06250A 800 pcs. / reel



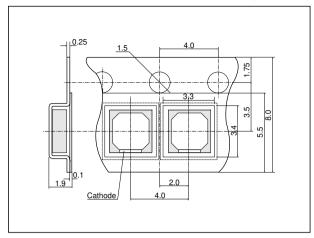
LT1 45A series/GM4 C13300AC series 3 000 pcs. /reel

Taping Specifications

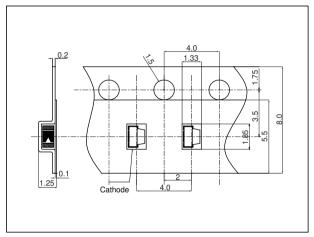
(Unit:mm)



LT1 \square G7A series/GM1WA80350A/GM1ZUB 80300A/GM1ZSG80300A 4 000 pcs. /reel

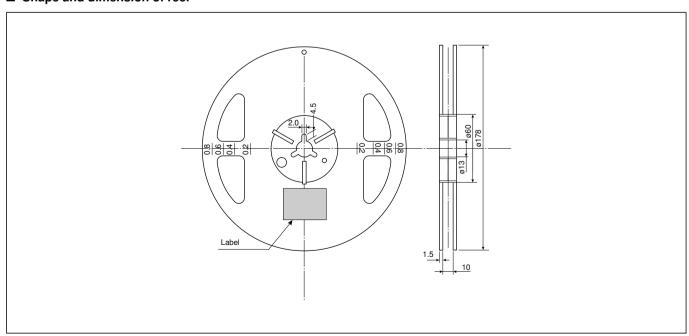


LT1□□90A series 3 000 pcs. / reel



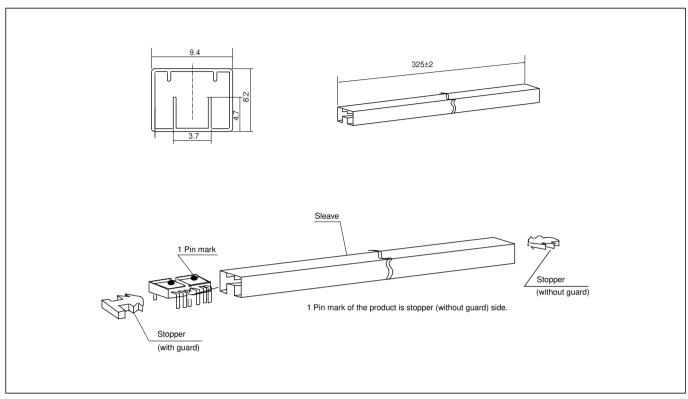
GM4□□81200A□ series 4 000 pcs. /reel

■ Shape and dimension of reel



Taping Specifications

■Lead type Chip LED (Unit: mm)



 $\textbf{GM5} \square \square \textbf{03200Z series/GM5WA06200Z/GM5WA06250Z} \quad 1 \ 000 \ \text{pcs.} \ (50 \ \text{pcs./sleeve} \times 20)$

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