

LED lamp Assembly Array

BL-LA01Z0704XX

Features:

- 3.0mm Round Type LED Lamps Assembly Array
- Ultra brightness.
- Choice of various viewing angles.
- Diffused, Transparent and Water clear lens are available.
- IC compatible /Low current capability.
- RoHs Compliance



■ Electrical-optical characteristics: (Ta=25°C) (Test Condition: IF=20mA)

Part Number	Chip			Lens Type	Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd		Viewing Angle 2θ1/2 (deg)
	Emitted Color	Material	λP (nm)		Typ	Max	Min.	Typ.	
BL-LA01Z0704L314HD	Red	GaP/GaP	<u>700</u>	Color Diffused	2.25	2.60	0.5	10	60
BL-LA01Z0704L314ED	Orange	GaAsP/GaP	<u>635</u>		2.10	2.50	10	70	
BL-LA01Z0704L314YD	Yellow	GaAsP/GaP	<u>585</u>		2.10	2.50	1.5	20	
BL-LA01Z0704L314GD	Green	GaP/GaP	<u>570</u>		2.20	2.50	1.5	20	

■ Absolute maximum ratings (Ta=25°C)

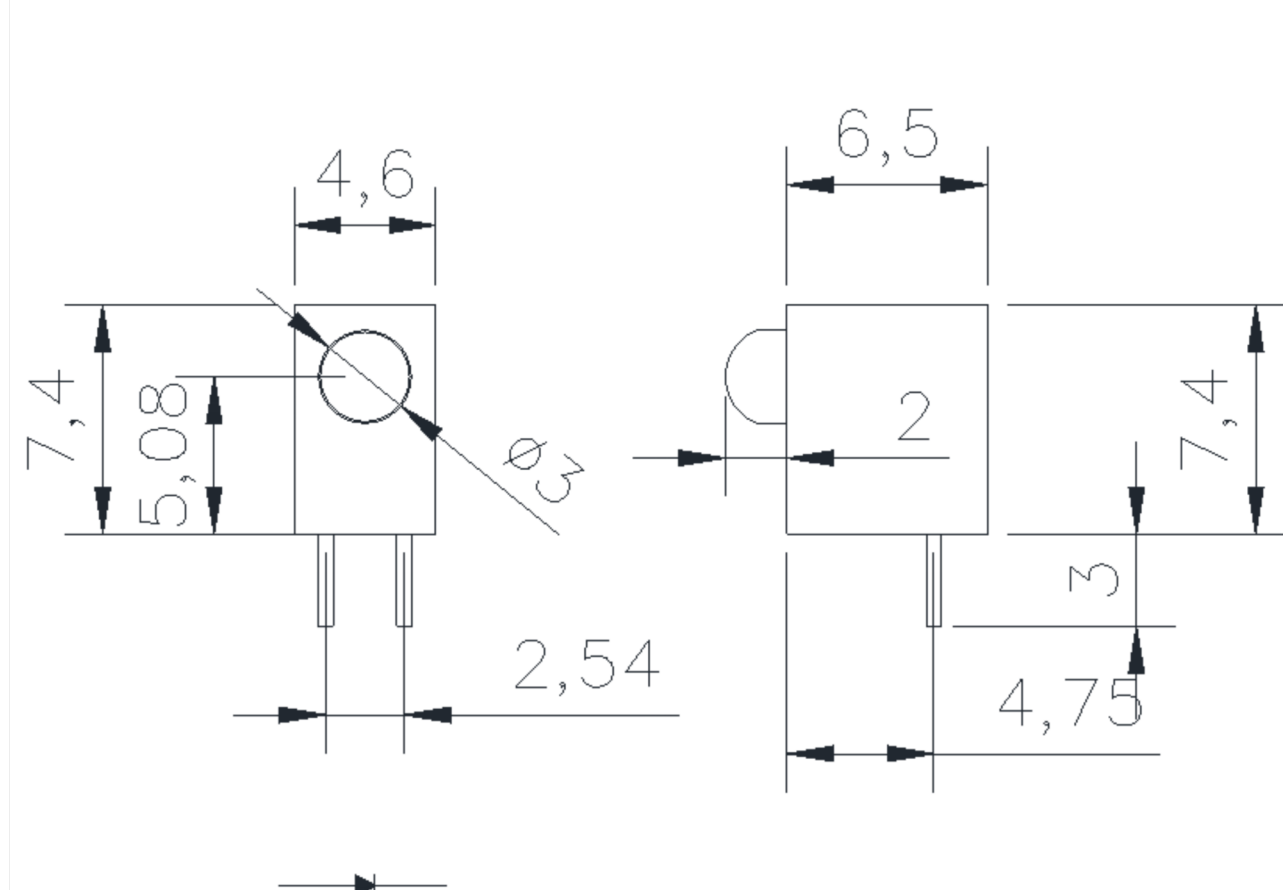
Parameter	H	E	Y	G	Unit
Forward Current I _F	25	25	25	30	mA
Power Dissipation P _d	60	60	60	65	mW
Reverse Voltage V _R	5	5	5	5	V
Peak Forward Current I _{PF} (Duty 1/10 @1KHZ)	150	150	150	150	mA
Operation Temperature T _{OPR}	-40 to +80				°C
Storage Temperature T _{STG}	-40 to +85				°C
Lead Soldering Temperature T _{SOL}	Max.260±5°C for 3 sec Max. (1.6mm from the base of the epoxy bulb)				°C

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■ Package configuration & Internal circuit diagram

BL-LA1Z0704 Series



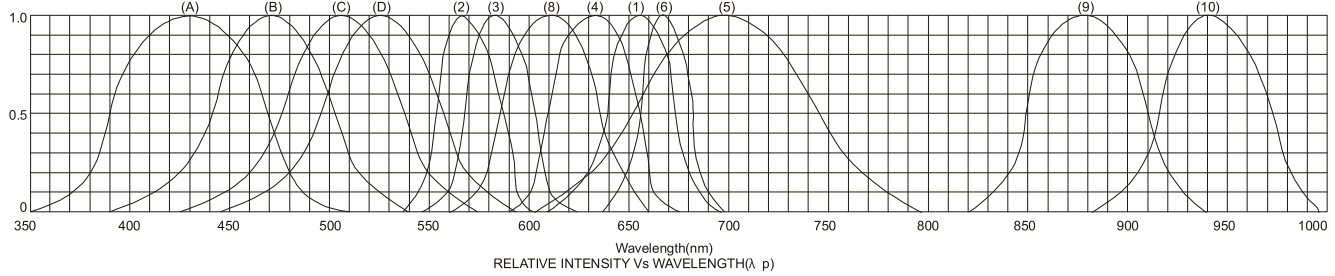
Notes:

1. All dimensions are in millimeters (inches)
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
3. Specifications are subject to change without notice.

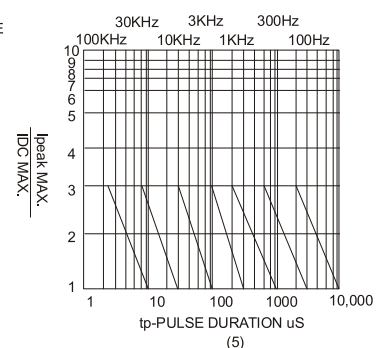
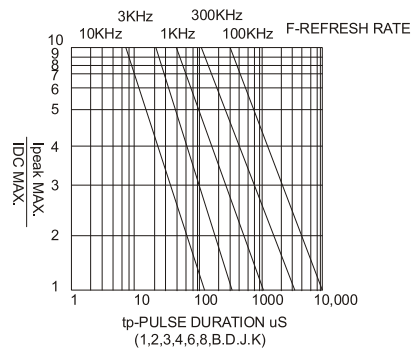
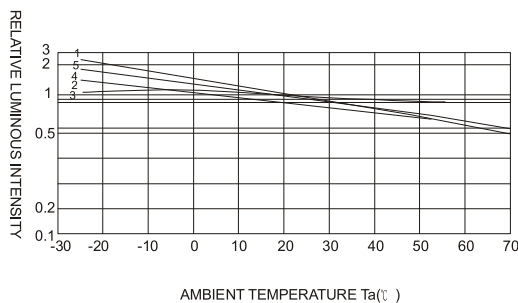
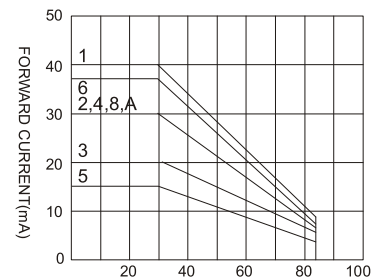
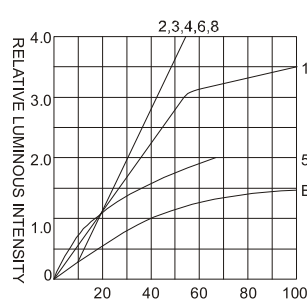
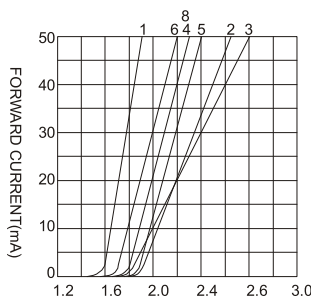
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Typical electrical-optical characteristics curves:



- | | |
|---|--------------------------------------|
| (1) - GaAsP/GaAs 655nm/Red | (9) - GaAlAs 880nm |
| (2) - GaP 570nm/Yellow Green | (10) - GaAs/GaAs & GaAlAs/GaAs 940nm |
| (3) - GaAsP/GaP 585nm/Yellow | (A) - GaN/SiC 430nm/Blue |
| (4) - GaAsP/GaP 635nm/Orange & Hi-Eff Red | (B) - InGaN/SiC 470nm/Blue |
| (5) - GaP 700nm/Bright Red | (C) - InGaN/SiC 505nm/Ultra Green |
| (6) - GaAlAs/GaAs 660nm/Super Red | (D) - InGaAl/SiC 525nm/Ultra Green |
| (8) - GaAsP/GaP 610nm/Super Red | |



NOTE: 25°C free air temperature unless otherwise specified

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■ Packing and weighting

