

SUPER FLUX LED LAMP, 4PIN LED

BL-FL760Rxx

Features:

- Ø 7.62*7.62*3.5MM, flat round top, SUPER FLUX LED LAMP
- Ø Ultra brightness.
- Ø Wide Viewing Angles.
- Ø Ideal For Backlight and Indicator
- Ø RoHs Compliance



Electrical-optical characteristics: (Ta=25°C) (Test Condition: IF=70mA)

Part Number	Chip			Lens Type	Forward Voltage(VF) Unit:V		Luminous Intensity (lv) Unit:mcd		Viewing Angle 2θ/2 (deg)
	Emitted Color	Material	λ _p (nm)		Typ	Max	Min.	Typ.	
					BL-FL760RURC	Ultra Red	AlGaAs,DDH	660	
BL-FL760RUEC	Ultra Orange	AlGaInP	630	2.10	2.50	800	1500		
BL-FL760RUYC	Ultra Yellow	AlGaInP	590	2.10	2.50	600	1300		
BL-FL760RUGC	Ultra Green	AlGaInP	574	2.20	2.50	200	700		
BL-FL760RPGC	Ultra Pure Green	InGaN	525	3.80	4.50	1000	5000		
BL-FL760RBGC	Ultra Bluish Green	InGaN	505	3.80	4.50	800	4000		
BL-FL760RUBC	Ultra Blue	InGaN	470	2.70	4.20	800	2000		
BL-FL760RUWC	Ultra White	InGaN	/	2.70	4.20	1000	5000		

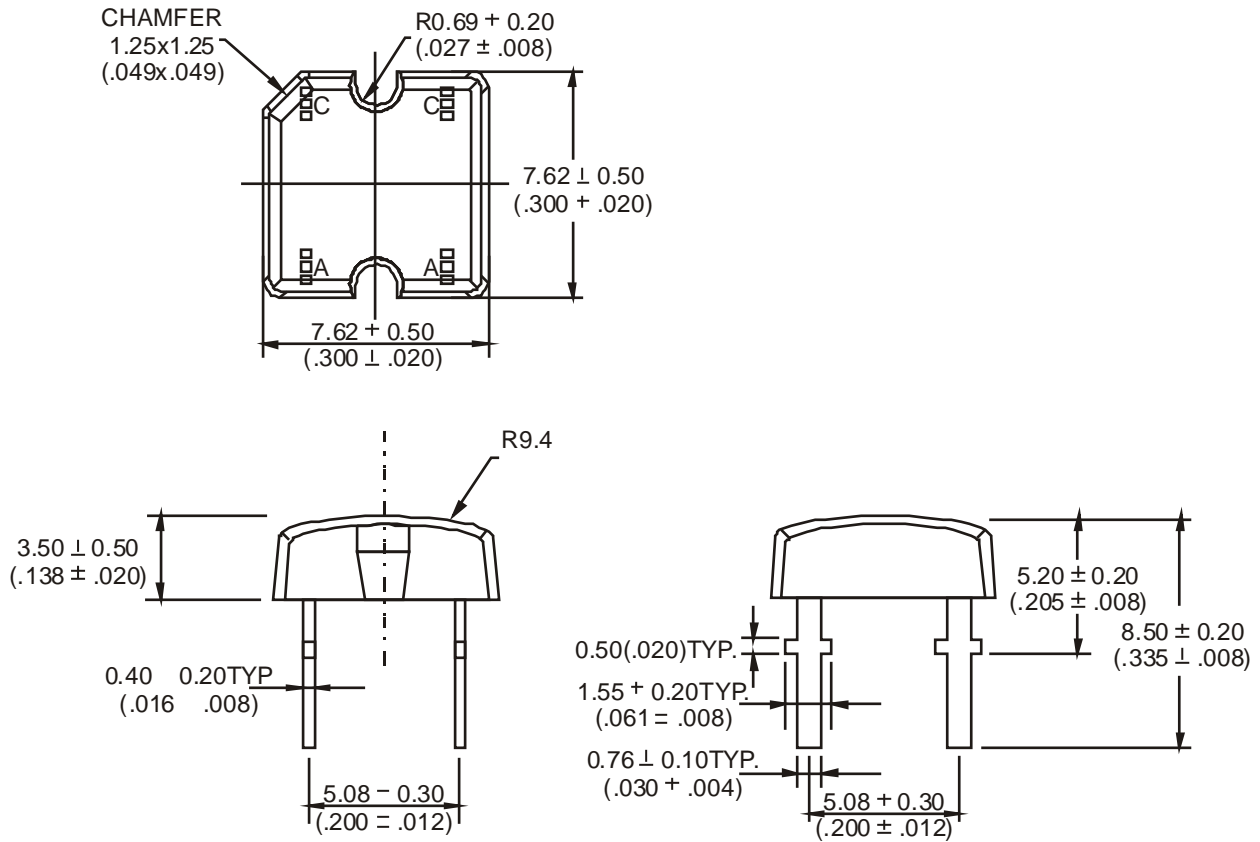
Absolute maximum ratings (Ta=25°C)

Parameter	UR	UE	UY	UG	PG	BG	UB	W	Unit
Forward Current I _F	25	30	30	30	30	30	30	30	mA
Power Dissipation P _d	60	65	65	75	110	110	120	120	mW
Reverse Voltage V _R	5	5	5	5	5	5	5	5	V
Peak Forward Current I _{PF} (Duty 1/10 @1KHZ)	150	150	150	150	150	100	100	100	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



Notes:

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

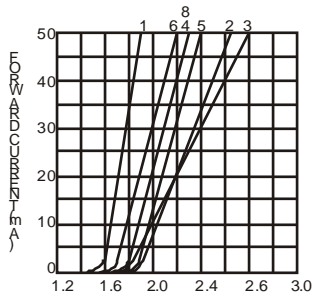
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Typical electrical-optical characteristics curves:



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



FORWARD VOLTAGE (Vf)
FORWARD CURRENT VS.
FORWARD VOLTAGE



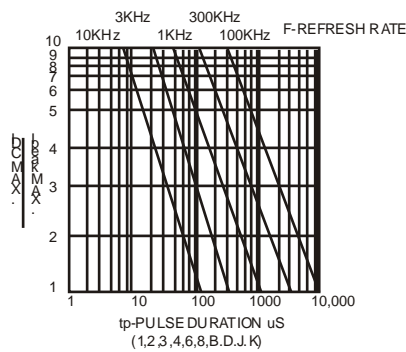
FORWARD CURRENT (mA)
RELATIVE LUMINOUS
INTENSITY VS. FORWARD
CURRENT



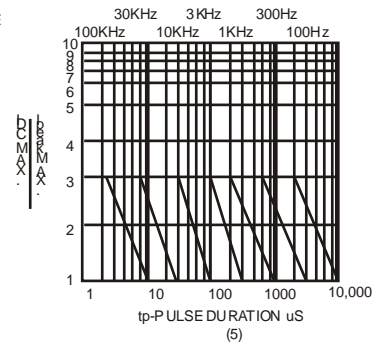
AMBIENT TEMPERATURE Ta ()
FORWARD CURRENT VS. AMBIENT
TEMPERATURE



AMBIENT TEMPERATURE Ta ()



tp-PULSE DURATION μ s
(1,2,3,4,6,8,B,D,J,K)



tp-PULSE DURATION μ s
(5)

NOTE:25 free air temperature unless otherwise specified

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Packing and weighting

