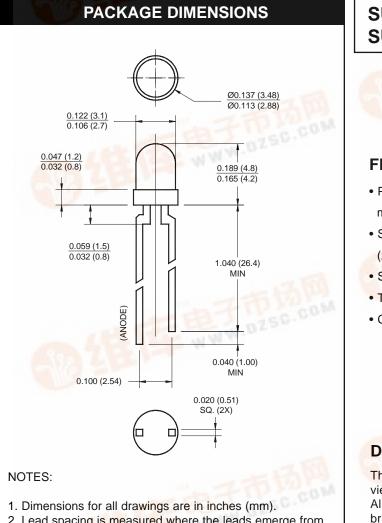


捷多邦,专业PCB打样工厂,24小时加急出货 SUPER BRIGHT AllnGaP T-100 (3 mm) LOW CURRENT LED LAMP - Tinted & Diffused



2. Lead spacing is measured where the leads emerge from the package.

3. Protruded resin under the flange is 1.5 mm (0.059") max.

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DESCRIPTION

These T-100 super bright low current lamps have a moderate viewing angle of 50°. The HLMP-17XXL series is made with an AllnGaP LED, which delivers performance, reliability and brightness superior to that of standard products.

Parameter	Symbol	Rating	Unit
Operating Temperature	T _{OPR}	-55 to +100	°C
Storage Temperature	T _{STG}	-55 to +100	°C
Lead Soldering Time	T _{SOL}	260 for 5 sec	°C
Continuous Forward Current	١ _F	7.5	mA
Peak Forward Current	١ _F	450	mA
(f = <mark>1.0 KHz, Duty Factor</mark> = 1/10)		150	
Reverse Voltage	V _R	5	V
Power Dissipation	PD	25	mW

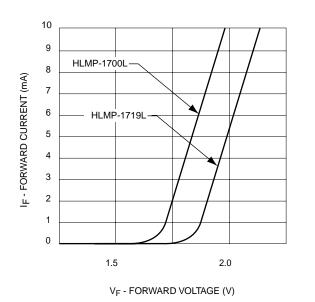


SUPER BRIGHT AllnGaP T-100 (3 mm) LOW CURRENT LED LAMP - Tinted & Diffused

SUPER RED	HLMP-1700L
SUPER YELLOW	HLMP-1719L

ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)				
Part Number	HLMP-1700L	HLMP-1719L	Condition	
Luminous Intensity (mcd)			I _F = 2 mA	
Minimum	5	6		
Typical	7.5	9.5		
Forward Voltage (V)			I _F = 2 mA	
Maximum	2.4	2.4		
Typical	2.0	2.0		
Wavelength (nm)			I _F = 2 mA	
Peak	640	590		
Dominant	631	589		
Spectral Line Half Width (nm)	20	15	I _F = 2 mA	
Viewing Angle (°)	50	50	I _F = 2 mA	

TYPICAL PERFORMANCE CURVES





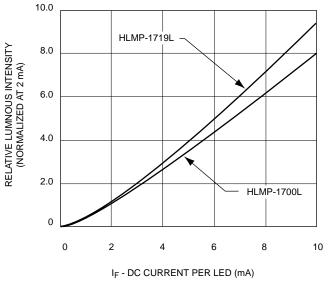


Fig. 2 Relative Luminous Intensity vs. Forward Current



SUPER BRIGHT AllnGaP T-100 (3 mm) LOW CURRENT LED LAMP - Tinted & Diffused

SUPER REDHLMP-1700LSUPER YELLOWHLMP-1719L

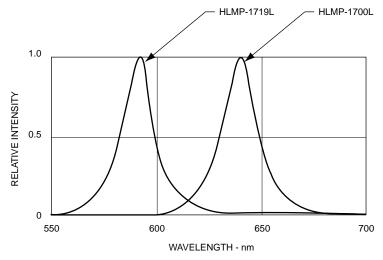


Fig. 3 Relative Intensity vs Peak Wavelength

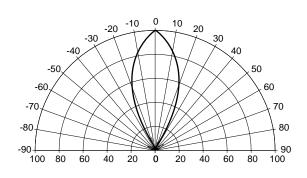


Fig. 4 Radiation Diagram



SUPER BRIGHT AlInGaP T-100 (3 mm) LOW CURRENT LED LAMP - Tinted & Diffused

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