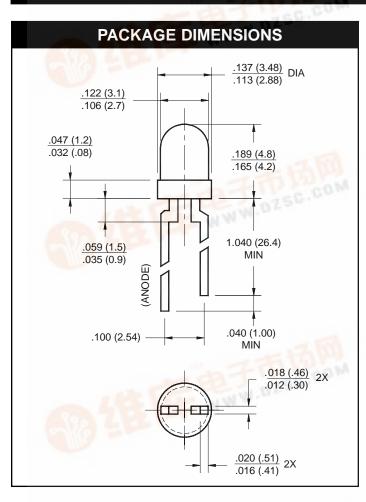


捷多邦,专业PCB打样工厂,24小时加急出货 T-100 (3 mm) SOLID STATE LAMPS

PURE GREEN	HLMP-K600	TINTED
PURE GREEN	HLMP-K640	CLEAR
SOFT ORANGE	HLMP-K400	TINTED
SOFT ORANGE	HLMP-K401	TINTED
SOFT ORANGE	HLMP-K402	TINTED



FEATURES

- Popular T-100 package
- Low drive current
- Solid state reliability
- Wide viewing angle
- Choice of pure green or soft orange colors

DESCRIPTION

These T-100 LEDs are widely used as general purpose indicators. The pure green lamps is made with a GaP LED on a GaP substrate. The soft orange is made with a GaAsP LED on a GaP substrate. They are encapsulated in epoxy packages and are designed to provide superior light output and a wide viewing angle.

NOTES:

- 1. ALL DIMENSIONS ARE IN INCHES (mm).
- 2. LEAD SPACING IS MEASURED WHERE THE LEADS EMERGE FROM THE PACKAGE.
- 3. PROTRUDED RESIN UNDER THE FLANGE IS 1.5 mm (.059) MAX.

ABSOLUTE MAXIMUM RATING (TA =25°C)						
Parameter	GREEN	ORANGE	UNITS			
Power Dissipation	110	110	mW			
Forward Current	40	40	mA			
Peak Forward Current (f=1kHz, DF=10%)	200	200	mA			
Lead Soldering Time at 260° C	5	5	sec			
Operating Temperature	-40 to +100	-40 to +100	°C			
Storage Temperature	-40 to +100	-40 to +100	°C			



T-100 (3 mm) SOLID STATE LAMPS

ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)								
Part Number	HLMP-K600	HLMP-K640*	HLMP-K400	HLMP-K401	HLMP-K402	Condition		
Luminous Intensity (mcd)						$I_F = 10mA$		
Minimum	1.0	4.0	1.0	2.0	3.0			
Typical	4.5	15.0	4.0	5.0	7.0			
Forward Voltage (V)						$I_F = 10mA$		
Maximum	2.7	3.0	2.4	2.4	2.4			
Typical	2.1	2.2	1.9	1.9	1,9			
Peak Wavelength (nm)	555	555	612	612	612	$I_F = 10mA$		
Spectral Line Half Width (nm)	24	24	40	40	40	I _F = 10mA		
Reverse Voltage (V)	5	5	5	5	5	$I_{R} = 100 \mu A$		
Viewing Angle (°)	90	45	90	90	90	$I_F = 10mA$		

^{*} HLMP-K640 test condition is $I_F = 20mA$



T-100 (3 mm) SOLID STATE LAMPS

TYPICAL PERFORMANCE CURVES (TA =25°C)

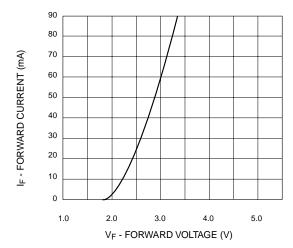


Fig. 1 Forward Current vs. Forward Voltage

RELATIVE INTENSITY

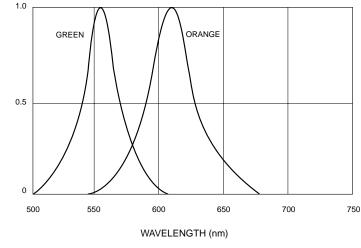


Fig. 3 Relative Intensity vs. Peak Wavelength

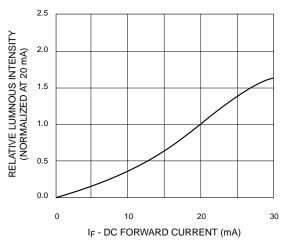


Fig. 2 Relative Luminous Intensity vs. DC Forward Current

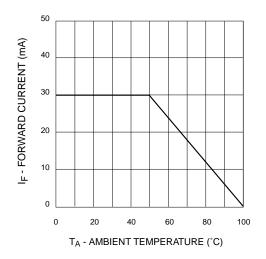
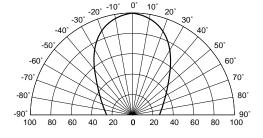
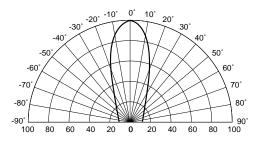


Fig. 4 Current Derating Curve



REL. LUMINOUS INTENSITY (%)

Fig. 5A Radiation Diagram
(HLMP-K600, HLMP-K400, HLMP-K401, HLMP-K402)



REL. LUMINOUS INTENSITY (%)

Fig. 5B Radiation Diagram
(HLMP-K640)



T-100 (3 mm) SOLID STATE LAMPS

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