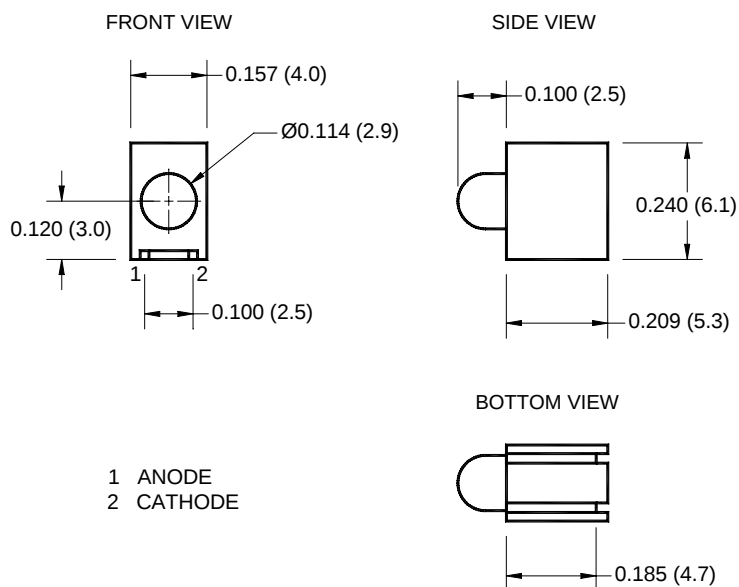


RIGHT ANGLE T-100 (3 mm)

Diffused

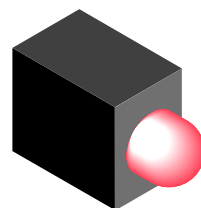
PACKAGE DIMENSIONS



NOTE:

Dimensions for all drawings are in inches (mm).

HER	HLMP-1700.MP4C
YELLOW	HLMP-1719.MP4C
GREEN	HLMP-1790.MP4C



FEATURES

- Standard 100 mil. lead spacing
- Solid state reliability
- Diffused
- Low current (2 mA)

DESCRIPTION

These T-100 right angle lamps have a viewing angle of 40°.

ABSOLUTE MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Rating	Unit
Operating Temperature	T_{OPR}	-40 to +85	$^\circ\text{C}$
Storage Temperature	T_{STG}	-40 to +100	$^\circ\text{C}$
Lead Soldering Time	T_{SOL}	260 for 3 sec	$^\circ\text{C}$
Continuous Forward Current	I_F	30	mA
Peak Forward Current ($f = 1.0 \text{ KHz}$, Duty Factor = 1/10)	I_F	160	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	85	mW

ELECTRICAL / OPTICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$)

Part Number	HLMP-1700.MP4C	HLMP-1719.MP4C	HLMP-1790.MP4C	Condition
Luminous Intensity (mcd)				$I_F = 2\text{mA}$
Minimum	1	1	1	
Typical	2	2	2	
Forward Voltage (V)				$I_F = 2\text{mA}$
Maximum	2.7	2.7	2.7	
Typical	1.9	1.9	1.9	
Peak Wavelength (nm)	635	585	565	$I_F = 2\text{mA}$
Spectral Line Half Width (nm)	45	20	30	$I_F = 2\text{mA}$
Viewing Angle ($^\circ$)	40	40	40	$I_F = 2\text{mA}$

HER	HLMP-1700.MP4C
YELLOW	HLMP-1719.MP4C
GREEN	HLMP-1790.MP4C

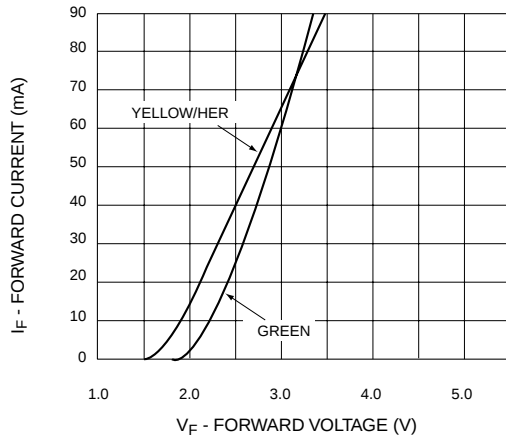


Fig. 1 Forward Current vs. Forward Voltage

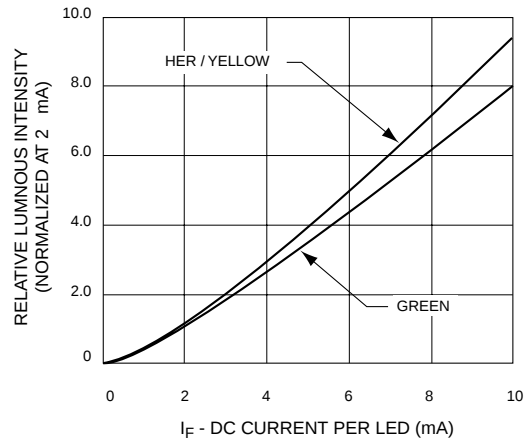


Fig. 2 Relative Luminous Intensity vs. DC Forward Current

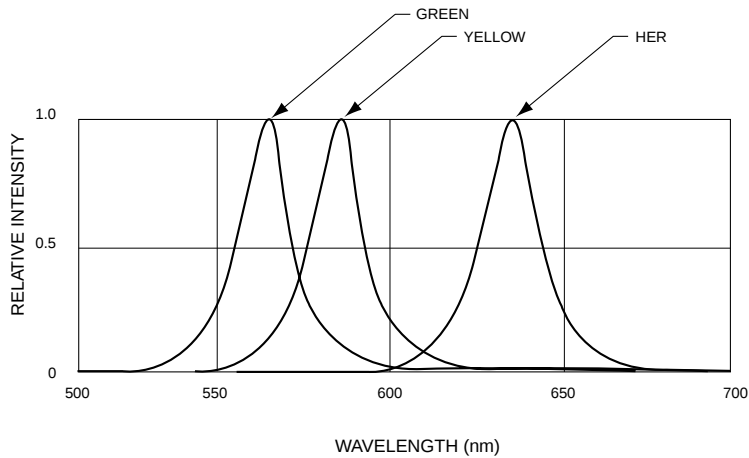


Fig. 3 Relative Intensity vs. Peak Wavelength

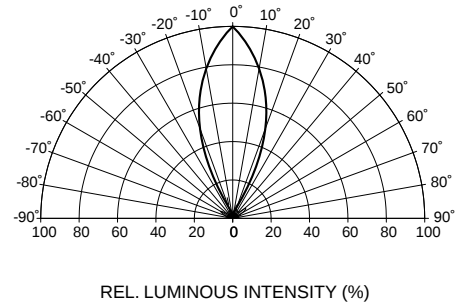


Fig. 4 Radiation Diagram

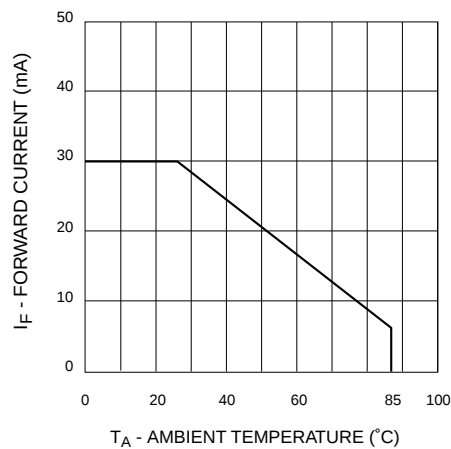


Fig. 5 Current Derating Curve

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2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.