

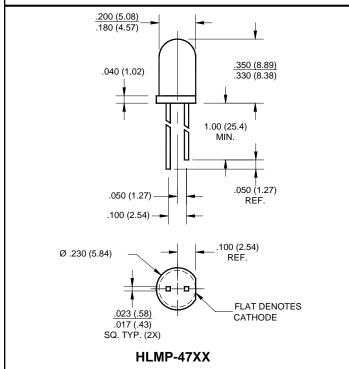
# LOW CURRENT T-100 & T-1 3/4 SOLID STATE LAMPS

 HER
 HLMP-1700
 HLMP-4700

 YELLOW
 HLMP-1719
 HLMP-4719

GREEN HLMP-1790 HLMP-4740 (MV2454)

### **PACKAGE DIMENSIONS** .135 (3.15) .122 (3.1) .047 (1.2) .032 (.8) .189 (4.8) .165 (4.2) 1.040 (26.4) .059 (1.5) MIN .032 (0.8) (ANODE) .040 (1.00) .100 (2.54) .020 (.51) .016 (.41) .018 (.46) 2X .012 (.30) **HLMP-17XX**



#### **FEATURES**

- Low power consumption (low current drive at 2mA)
- Solid state reliability
- Tinted and diffused



#### **DESCRIPTION**

The T-1 3/4 HLMP-47XX series and T-100 HLMP-17XX series are tinted diffused, providing a moderate viewing angle. These parts are optimized for low current and are brighter than the standard LED lamps operated at very low current.

#### NOTES:

- 1. ALL DIMENSIONS ARE IN INCHES (mm).
- 2. TOLERANCE ARE ±.010" UNLESS OTHERWISE SPECIFIED.
- AN EPOXY MENISCUS MAY EXTEND ABOUT .040"(1 mm) DOWN THE LEADS.



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ABSOLUTE MAXIMUM RATING (TA =25°C	)			
Parameter	HER	YELLOW	GREEN	UNITS
Power Dissipation (derated from 92°C at 1mA/°C)	27	24	27	mW
Peak Forward Current (PW ≤ 1 ms, DF ≤ 30 %)	25	20	25	mA
Continuous Forward Current	7.5	7.5	7.5	mA
Lead Soldering Time at 260° C	5	5	5	sec
Reverse Breakdown Voltage (V)	5	5	5	I <sub>R</sub> = 100μA
Operating Temperature	-55 to +100	-55 to +100	-55 to +100	°C
Storage Temperature	-55 to +100	-55 to +100	-55 to +100	°C

ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)						
Parameter	<b>HE</b> R HLMP-1700/4700	YELLOW HLMP-1719/4719	GREEN HLMP-1790/4740 (MV2454)	Condition		
Luminous Intensity (mcd)				I <sub>F</sub> = 2mA		
Minimum	1.0/1.2	1.0/1.2	1.0/1.2			
Typical	2.0/2.0	2.0/2.0	2.0/3.0			
Forward Voltage (V)				$I_F = 2mA$		
Maximum	2.2	2.7	2.7			
Typical	1.8	1.9	1.9			
Peak Wavelength (nm)	635	585	565	$I_F = 2mA$		
Spectral Line Half Width	45	35	30	$I_F = 2mA$		
Viewing Angle (°)	50/35	50/35	50/35	$I_F = 2mA$		



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