

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

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

HLMP-4700 HLMP-4719 HLMP-4740 (MV2454)

## FEATURES

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

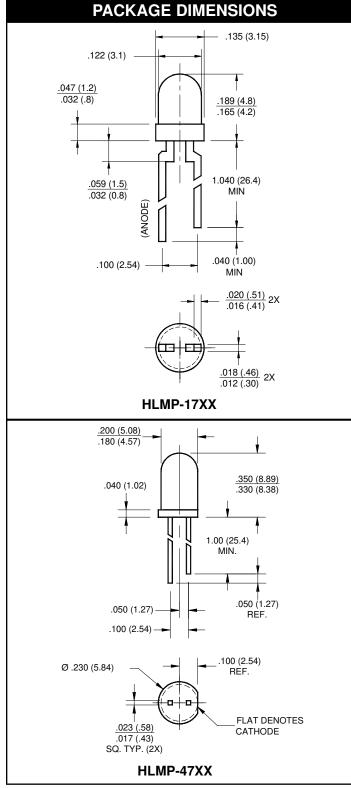


## DESCRIPTION

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.
- 3. AN EPOXY MENISCUS MAY EXTEND ABOUT .040"(1 mm) DOWN THE LEADS.



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### ABSOLUTE MAXIMUM RATING (TA =25°C)

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Parameter	HER	YELLOW	GREEN	UNITS
Power Dissipation (derated from 92°C at 1mA/°C)	27	24	27	mW
Peak Forward Current (PW $\leq$ 1 ms, DF $\leq$ 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) HER YELLOW GREEN Parameter HLMP-1700/4700 HLMP-1719/4719 HLMP-1790/4740 Condition (MV2454) Luminous Intensity (mcd) $I_F = 2mA$ 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) 635 565 585 $I_F = 2mA$ 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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