

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

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



FEATURES

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

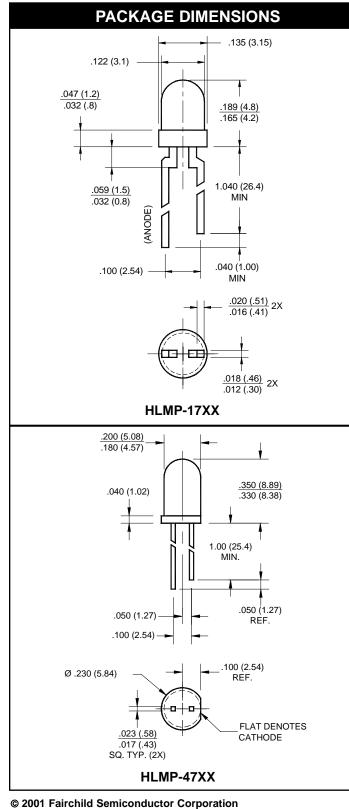


DESCRIPTION

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)

| 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 _R = 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 2.0/2.0 Typical 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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