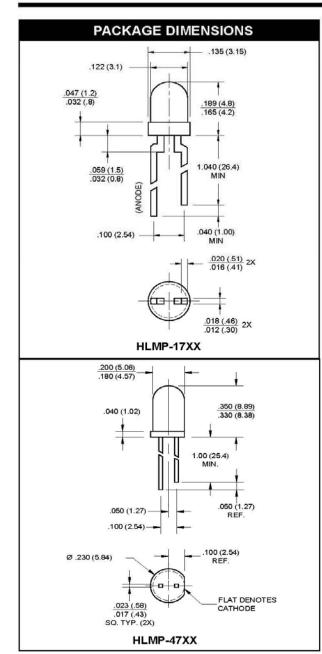


## LOW CURRENT T-100 & T-1 3/4 SOLID STATE LAMPS

HER YELLOW GREEN

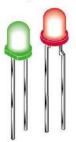
HLMP-1700
HLMP-1719
HLMP-1790

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.



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

## 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	Ir = 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 Parameter HLMP-1700/4700HLMP-1719/4719Luminous Intensity (mcd) Minimum 1.0/1.2 1.0/1.2 Typical 2.0/2.0 2.0/2.0 Forward Voltage (V) Maximum 2.2 2.7 Typical 1.8 1.9 Peak Wavelength (nm) 635 585 Spectral Line Half Width 45 35 Viewing Angle (°) 50/35 50/35

GREEN Condition IF = HLMP-1790/4740(MV2454)1.0/1.2 2mA IF = 2mA IF 2.0/3.0 2.7 1.9 565 30 50/35 = 2mA IF = 2mA I⊧ = 2mA



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

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