



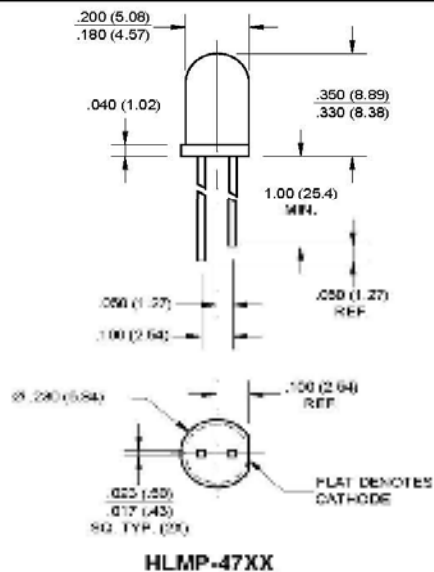
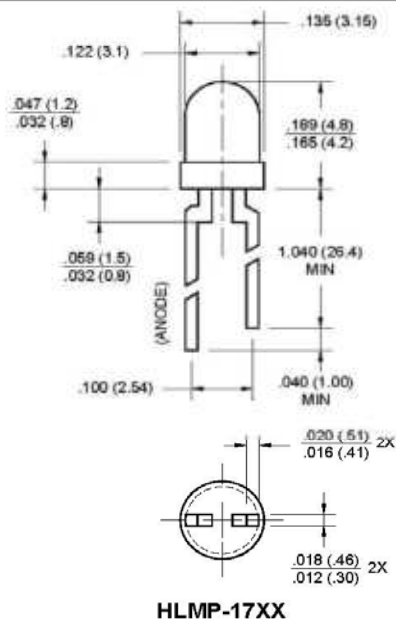
LOW CURRENT T-100 & T-1 3/4 SOLID STATE LAMPS

HER
YELLOW
GREEN

HLMP-1700
HLMP-1719
HLMP-1790

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

PACKAGE DIMENSIONS



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 $\pm .010$ " UNLESS OTHERWISE SPECIFIED.
3. AN EPOXY MENISCUS MAY EXTEND ABOUT .040"(1 mm) DOWN THE LEADS.



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ABSOLUTE MAXIMUM RATING (T_A=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	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 (T_A=25°C)

HER YELLOW Parameter	HLMP-1700/4700	HLMP-1719/4719	Luminous 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	HLMP-1790/4740(MV2454)	1.0/1.2	Condition IF = 2mA IF = 2mA IF = 2mA IF = 2mA
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