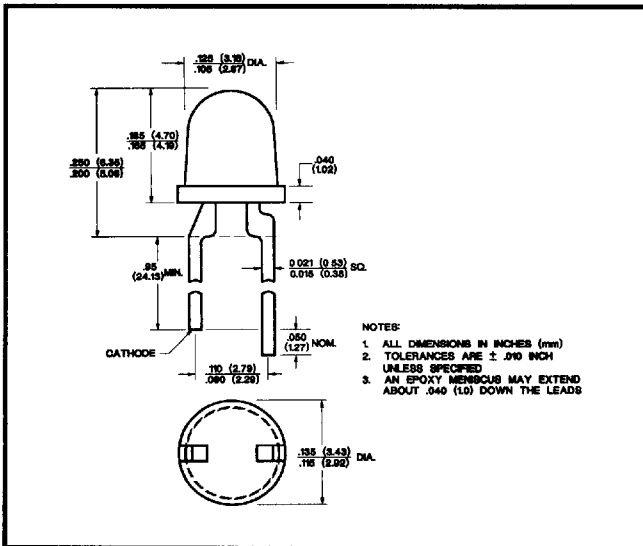




T-100 (T-1) Low Current LED Lamps

DESCRIPTION AND FEATURES



This T-1 HLMP1700 Series is a pin for pin replacement for Hewlett Packard lamps. All devices feature medium to wide view angles. The design of the LED chips are optimized for low current applications and are far superior in luminous intensity compared to standard LED lamps at very low operating currents. These LED lamps are primarily intended for direct viewing. These lamps feature 4 mW power and 2 mA drive for low power TTL and CMOS circuits.

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Solid State
Products

ELECTRO-OPTICAL CHARACTERISTICS

Part Number	Emitted Color	Lens Color	Package Type	Luminous Intensity			Forward Voltage			Capacitance pF Vr=0, f=1MHz	Peak Wavelength (nm)	View Angle (Degrees)
				Min. mcd	Typ. mcd	mA	Typ.	Max.	mA			
HLMP1700	H.E. Red	Red	Diffused	1.0	2.0	2	1.8	2.2	2	—	635	50
HLMP1719	Yellow	Yellow	Diffused	1.0	2.0	2	1.9	2.7	2	—	585	50
HLMP1790	H.E. Green	Green	Diffused	1.0	2.0	2	1.9	2.7	2	—	565	50

ABSOLUTE MAXIMUM RATINGS

	H.E. Red	Yellow	H.E. Green	Units
Power Dissipation	27	24	27	mW
Storage/Operating Temperature	-55C to +100	-55C to +100	-55C to +100	°C
Lead Solder Time at 260°C	5	5	5	Seconds
Peak Forward Current (PW $\leq$ 1 mS, DF $\leq$ 30%)	25	25	25	mA
Reverse Voltage (IR = 100 μ A)	5.0	5.0	5.0	V
Average Forward Current	7.5	7.5	7.5	mA