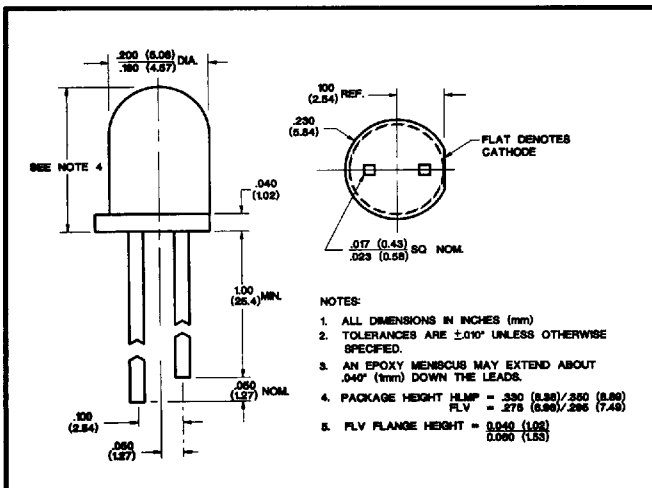


T-1³/₄ General Purpose LED Lamps

DESCRIPTION AND FEATURES

4
Solid State
Products



The HLMP33XX Series are direct replacements for Hewlett Packard's HLMP33XX Series. The FLV110 is a direct replacement for Fairchild's FLV110. These LED lamps are available with wide or narrow viewing angles for direct viewing or back-lighting. The standard Red lamp is produced with GaAsP and the High Efficiency Red lamps are produced with GaAsP/GaP. Lamps are available either diffused or non-diffused.

ELECTRO-OPTICAL CHARACTERISTICS

Part Number	Emitted Color	Lens Color	Lens 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			
HLMP3300	H.E. Red	Red	Diffused	2.0	3.5	10	2.2	3.0	10	45	635	65
HLMP3301	H.E. Red	Red	Diffused	4.0	7.0	10	2.2	3.0	10	45	635	65
HLMP3315	H.E. Red	Red	Non-Diffused	12.0	18.0	10	2.2	3.0	10	45	635	35
HLMP3316	H.E. Red	Red	Non-Diffused	20.0	35.0	10	2.2	3.0	10	45	635	35
FLV110	Red	Red	Diffused	0.8	3.0	20	1.6	2.0	20	30	665	70

ABSOLUTE MAXIMUM RATINGS

Power Dissipation.....	135 mW
Storage/Operating Temperature.....	-55°C to +100°C
Lead Solder Time at 260°C.....	5 Seconds
Peak Forward Current (1 micro second pulse, 0.3% duty cycle).....	90 mA **
Reverse Voltage (IR = 100µA).....	5.0 V
Average Forward Current.....	30 mA

** FLV110 Peak Forward Current = 1000 mA

TYPICAL CHARACTERISTIC CURVES

