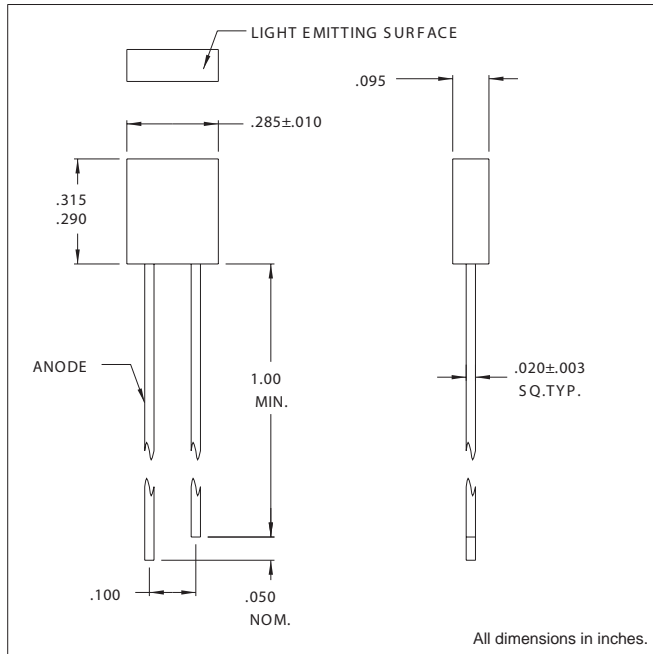




HLMP Rectangular LED Lamps 2.5 x 7.4mm

DESCRIPTION AND FEATURES



The HLMP0X0X Series of rectangular LED lamps are direct pin for pin replacements to Hewlett Packard's HLMP0X0X Series. Stackable in X or Y direction, these lamps provide a very wide view angle and are intended for direct viewing. The High Efficiency Red and Yellow lamps are produced with GaAsP/GaP and the High Efficiency Green lamp is produced with GaP/GaP.

ELECTRO-OPTICAL CHARACTERISTICS AND RATINGS

PART NUMBER	HLMP0300	HLMP0301	HLMP0400	HLMP0401	HLMP0503	HLMP0504
Output Color	H.E.Red	H.E.Red	Yellow	Yellow	H.E.Green	H.E.Green
Diffusion	Diffused	Diffused	Diffused	Diffused	Diffused	Diffused
Package Color	Red	Red	Yellow	Yellow	Green	Green
Test Current (mA)	20	20	20	20	20	20
Forward Voltage Typ. (V)	2.1	2.1	2.2	2.2	2.3	2.3
Forward Voltage Max. (V)	3.0	3.0	3.0	3.0	3.0	3.0
Luminous Intensity Min. (mcd)	1.0	2.5	1.5	3.0	1.5	2.5
Luminous Intensity Typ. (mcd)	2.5	5.0	2.5	5.0	3.0	5.0
Average Forward Current (mA)	30	30	30	30	30	30
Peak Wavelength (nm)	635	635	585	585	565	565
Viewing Angle 2θ 1/2 (degrees)	100	100	100	100	100	100
Power Dissipation (mW)	135	135	135	135	135	135
Operating Temperature (°C)	-55 to +100	-55 to +100	-55 to +100	-55 to +100	-55 to +100	-55 to +100
Storage Temperature (°C)	-55 to +100	-55 to +100	-55 to +100	-55 to +100	-55 to +100	-55 to +100
Peak Forward Current Max. (1μs @ 0.3% duty cycle) (mA)	90	90	90	90	90	90
Reverse Voltage (IR=100μA) (V)	5	5	5	5	5	5
Lead Solder Time @ 260°C	5	5	5	5	5	5