

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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### HIGH EFFICIENCY RED HLMP- 0300/1 YELLOW HLMP- 0400/1 HIGH EFFICIENCY GREEN HLMP- 0503/4

# 295 (7.49) NOMINAL 1.00 (2.54) NOMINAL 1.00 (2.54) NOMINAL 1.00 (2.54) NOMINAL 1.00 (2.54) NOMINAL

### NOTES:

- 1. ALL DIMENSIONS ARE IN INCHES (mm).
- 2. TOLERANCES ARE ± 0.010" INCH UNLESS SPECIFIED.
- 3. AN EPOXY MENISCUS MAY EXTEND ABOUT 0.040" (1mm) DOWN THE LEADS.

### **FEATURES**

- · Wide viewing angle
- · Solid state reliability
- · Perfect for panel indicators



### **DESCRIPTION**

The HLMP-0X0X series of rectangular lamps are direct replacements for Agilent's series with the same part numbers. The series is similar to MV5X123 except for the larger lens size. Like the MV5X123, the HLMP-0X0X is stackable. The lamps are tinted and diffused.

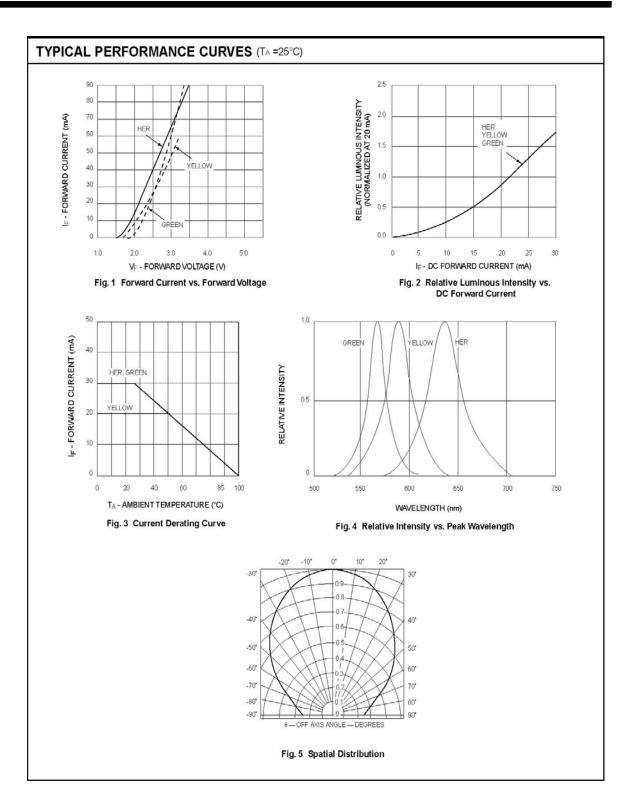
### ABSOLUTE MAXIMUM RATING (TA =25°C)

Parameter	HER	YELLOW	HEG	UNITS
Power Dissipation (HLMP-040X=85mA)	135	135	135	mW
Peak Forward Current (1µsec pluse, 0.3% DC)	90	90	60	mA
Continuous DC Forward Current	30	20	30	mA
Lead Soldering Time at 260° C	5	5	5	sec
Operating Temperature	-55 to +100	-55 to +100	-50 to +100	°C
Storage Temperature	-55 to +100	-55 to +100	-50 to +100	°C



ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)										
Parameter	Н	HER		YELLOW		G				
	HLMP-	0300/1	HLMP-	0400/1	HLMP-	0503/4	Condition			
Luminous Intensity (mcd)							I <sub>F</sub> = 20mA			
Minimum	1.0	2.5	1.5	3.0	1.5	2.5				
Typical	2.5	5.0	2.5	5.0	3.0	5.0				
Forward Voltage (V)							I <sub>F</sub> = 20mA			
Maximum	3.0	3.0	3.0	3.0	3.0	3.0				
Typical	2.1	2.1	2.2	2.2	2.3	2.3				
Peak Wavelength (nm)	635	635	585	585	565	565	$I_F = 20 \text{mA}$			
Spectral Line Half Width (nm)	45	45	35	35	35	35	I <sub>F</sub> = 20mA			
Reverse Voltage (V)	5	5	5	5	5	5	I <sub>R</sub> = 100μA			
Viewing Angle (°)	100	100	100	100	100	100				







### **DISCLAIMER**

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