

4 mm FLAT TOP LAMPS

HER YELLOW GREEN HLMP-M200/M201 HLMP-M300/M301 HLMP-M500/M501 HLMP-M250/M251 HLMP-M350/M351 HLMP-M550/M551

PACKAGE DIMENSIONS .100 (2.54) -.050 (1.27) .246 (6.24) .226 (5.74) 1.00 (25.4) MÌN .050 (1.27) .050 (1.27) REF. .100 (2.54) DIA .162 (4.11) .152 (3.86) .100 (2.54) (0+ .020 (0.50) **INDICATES** SQ. TYP. (2X) CATHODE

FEATURES

- · Wide viewing angle
- Excellent for backlighting small areas
- Solid state reliability
- · Choice of tinted clear or tinted diffused package



DESCRIPTION

Bright illumination and wide viewing angle are two outstanding features of the 4 mm flat top lamps. The cylindrical shape and flat emitting surface make these lamps particularly well suited for applications requiring high light output in minimal space.

NOTES: ALL DIMENSIONS ARE IN INCHES (mm).

Parameters	HER	YELLOW	GREEN	UNITS
Power Dissipation	135	120	135	mW
Peak Forward Current	55.5.00	0.00 100	A1 A 20	
(1 μS pulse width, 0.3% duty cycle)	90	60	90	mA
Reverse Voltage	5	5	5	V
Lead Soldering Time at 260° C	5	5	5	sec
Continuous Forward Current	30	20	30	mA
Operating Temperature	-55 to +100	-55 to +100	-55 to +100	°C
Storage Temperature	-55 to +100	-55 to +100	-55 to +100	°C



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ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)

HER YELLOW Pararmeter HLMP-M200/M201 HLMP-M300/M301 Luminous Intensity (mcd) Minimum 3.4 / 5.4 3.6 / 5.7 Typical 5.0 / 7.0 5.0 / 7.0 Forward Voltage (V) Maximum 3.0 3.0 Typical 2.2 2.2 Peak Wavelength (nm) 635 585 Reverse Voltage (V) 5 5 Viewing Angle (°) 135 135

GREEN HLMP-M500/M5014.2 / 6.7 7.0 / 10.0
3.0 2.3 565 5 135

Condition IF = 20mA IF = 20mA IF = 20mA IR = 100µA IF = 20mA

ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)

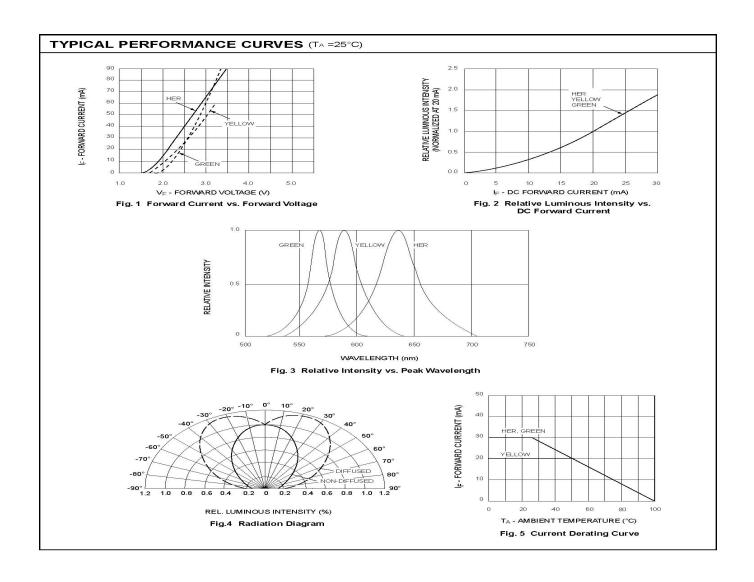
HER YELLOW Pararmeter HLMP-M250/M251 HLMP-M350/M351 Luminous Intensity (mcd) Minimum 3.4 / 5.4 3.6 / 5.7 Typical 5.0 / 7.0 5.0 / 7.0 Forward Voltage (V) Maximum 3.0 3.0 Typical 2.2 2.2 Peak Wavelength (nm) 635 585 Reverse Voltage (V) 5 5 Viewing Angle (°) 80 80

GREEN HLMP-M550/M5514.2 / 6.7 10.0 / 16.0
3.0 2.3 565 5 80

Condition IF = 10mA IF = 20mA IF = 10mA IR = 100µA IF = 10mA



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4 m m FLAT TOP LAMPS

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