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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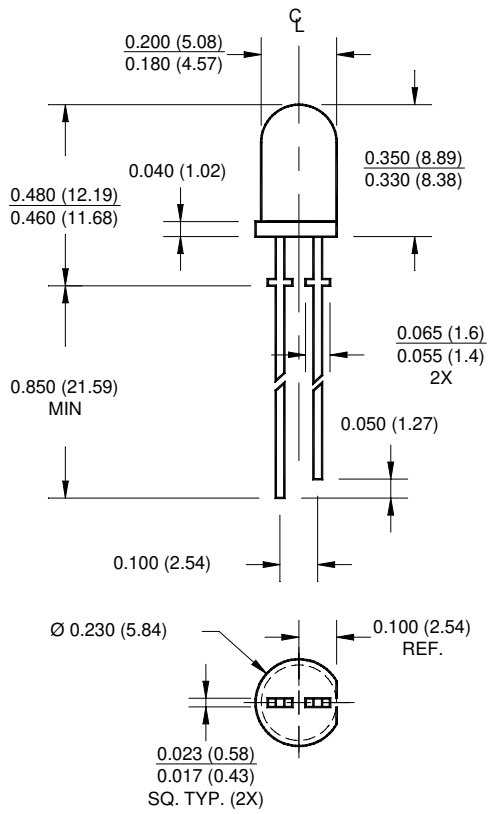
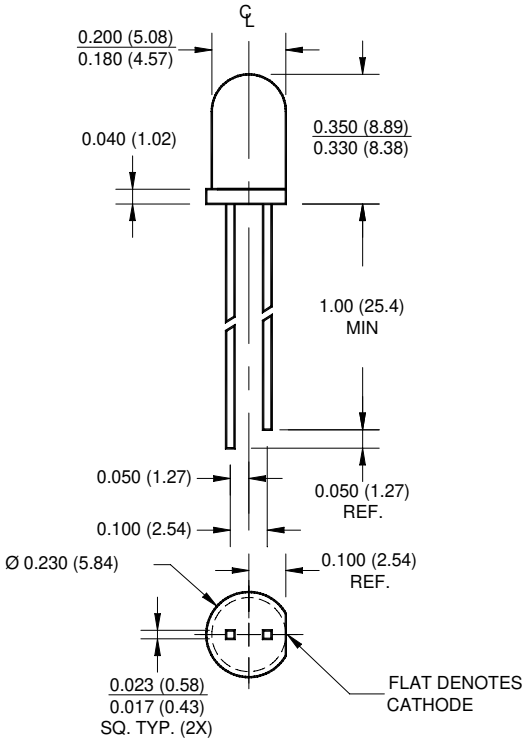
FAIRCHILD
SEMICONDUCTOR™

T-1 3/4 (5mm)
SOLID STATE LAMPS

PACKAGE DIMENSIONS



HLMP-3X50A

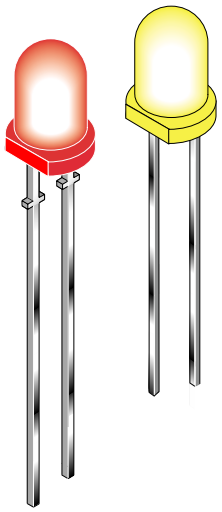


MV3X50

HLMP-3X50A
MV3X50

FEATURES

- Pale tint
- Sturdy leads with or without stand-off on T-1 3/4
- Excellent for small area backlighting
- HER
  HLMP-3750A
  MV3750
- Green
  HLMP-3950A
  MV3450
- Yellow
  HLMP-3850A
  MV3350



DESCRIPTION

The HLMP-3X50 series consists of tinted and water clear T-1 3/4 LED lamps with standoffs.

The MV3X50 series is the same as Agilent's HLMP-3X50A series, except for the standoffs.

Both series are available in red, yellow and green with a minimum intensity of 80mcd.

NOTES:

ALL DIMENSIONS ARE IN INCHES (mm).

ABSOLUTE MAXIMUM RATING (T_A =25°C)

Parameter	HER	YELLOW	GREEN	UNITS
Power Dissipation	135	85	135	mW
Peak Forward Current	90	60	90	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 (T_A =25°C)

Parameter	MV3750 HLMP-3750A	MV3350 HLMP-3850A	MV3450 HLMP-3950A	Condition
Luminous Intensity (mcd)				I_F = 20mA
Minimum	80	80	80	
Typical	150	150	150	
Forward Voltage (V)				I_F = 20mA
Maximum	3.0	3.0	3.0	
Typical	2.2	2.2	2.2	
Peak Wavelength (nm)	635	585	565	I_F = 20mA
Reverse Voltage (V)	5	5	5	I_R = 100µA
Viewing Angle (°)	24	24	24	I_F = 20mA

TYPICAL PERFORMANCE CURVES (T_A =25°C)

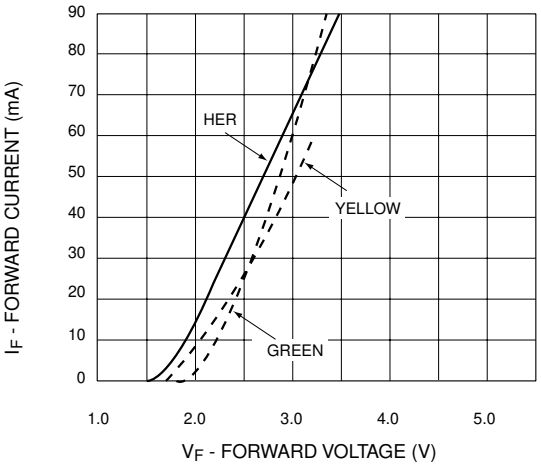


Fig. 1 Forward Current vs. Forward Voltage

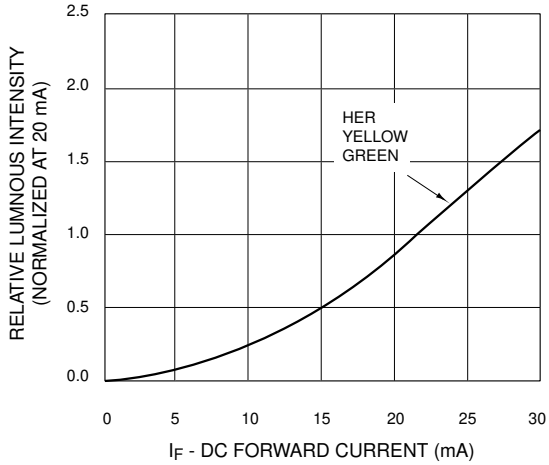


Fig. 2 Relative Luminous Intensity vs. DC Forward Current

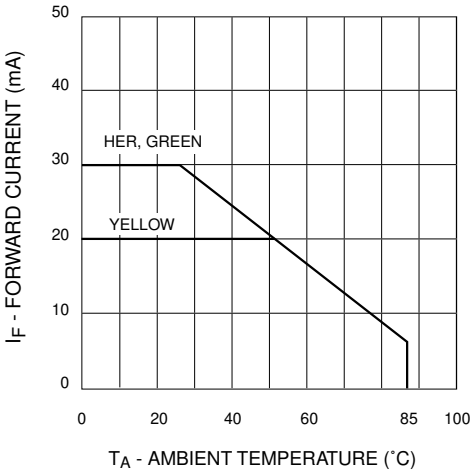


Fig. 3 Current Derating Curve

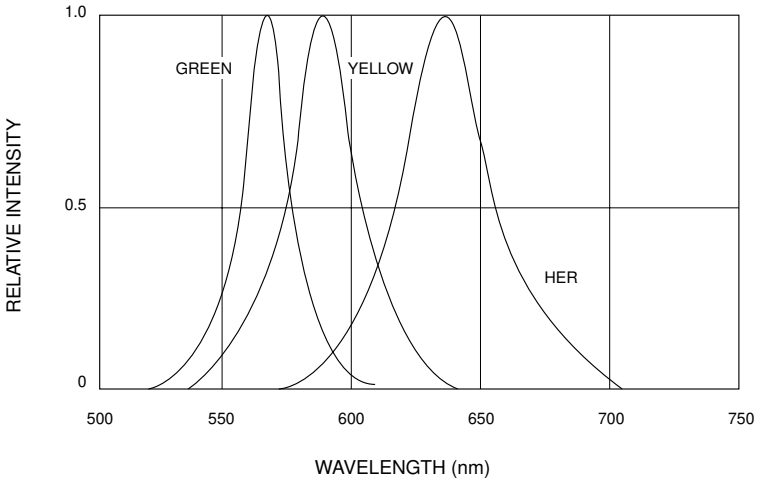


Fig. 4 Relative Intensity vs. Peak Wavelength

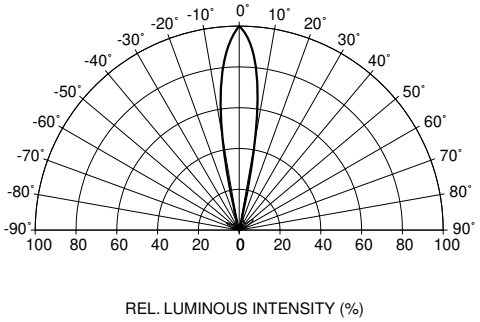


Fig. 5 Radiation Diagram

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2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.