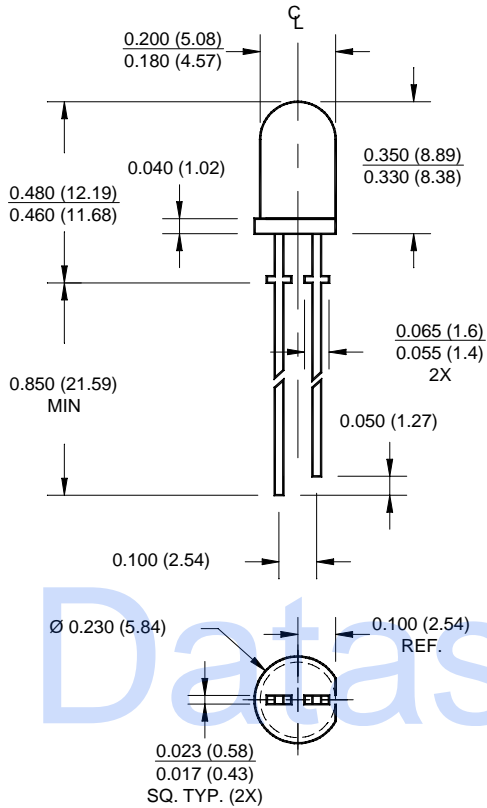
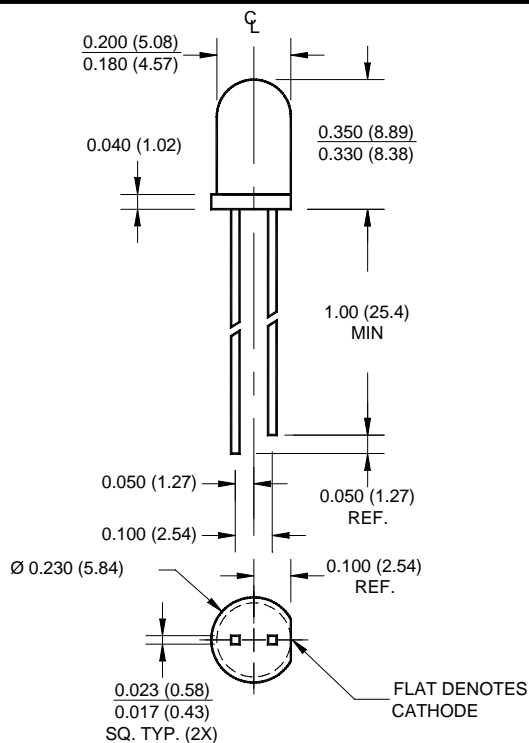


PACKAGE DIMENSIONS



HLMP-3X50A

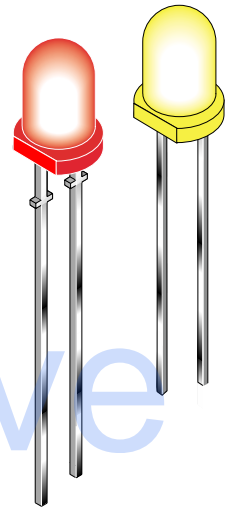


MV3X50

**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	MV3350	MV3450	Condition
	HLMP-3750A	HLMP-3850A	HLMP-3950A	
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 ($T_A = 25^\circ\text{C}$)

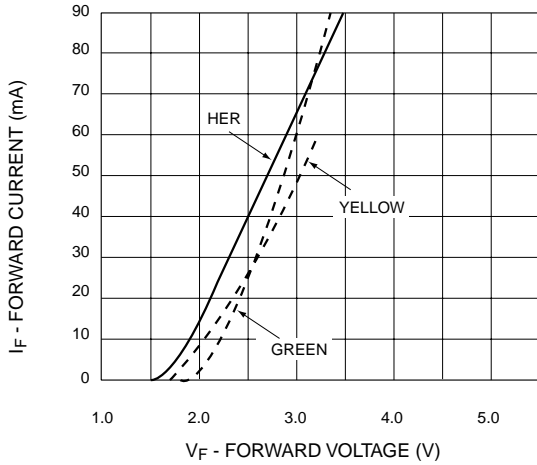


Fig. 1 Forward Current vs. Forward Voltage

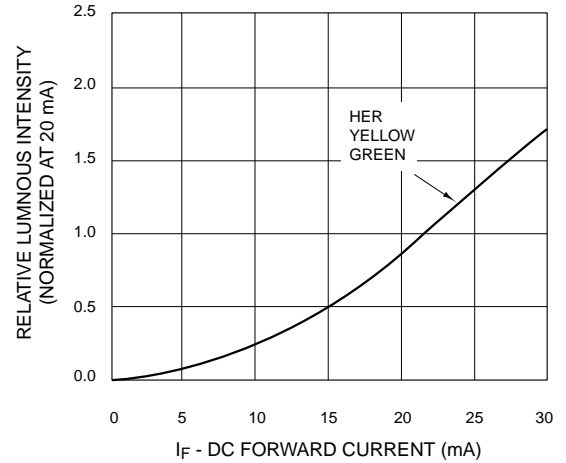


Fig. 2 Relative Luminous Intensity vs. DC Forward Current

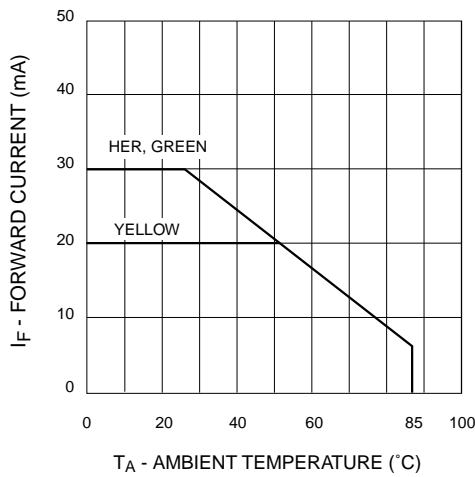


Fig. 3 Current Derating Curve

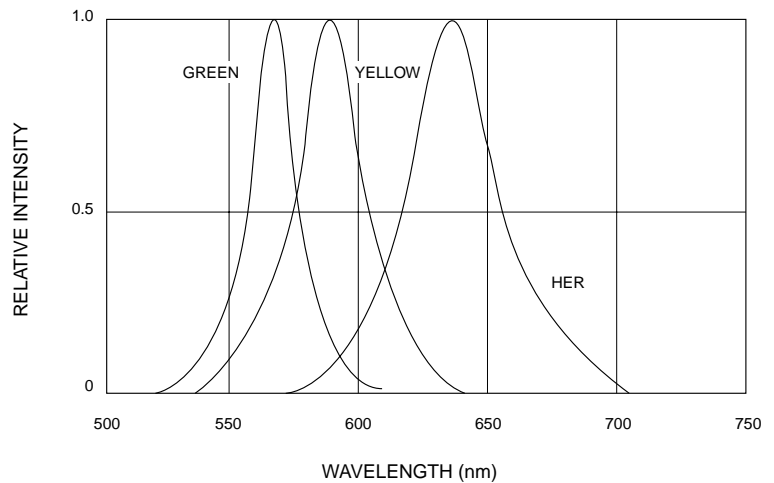


Fig. 4 Relative Intensity vs. Peak Wavelength

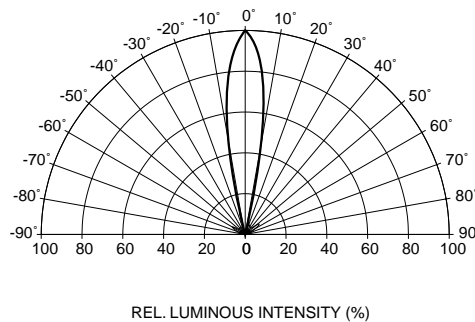


Fig. 5 Radiation Diagram

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HLMP-3750A

High Efficiency Red T-1 3/4 (5 mm) Solid State Lamp

Contents

[General description](#) | [Features](#) | [Testing conditions](#) | [Product status/pricing/packaging](#)

General description

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

The MV3X50 series in 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.

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Features

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

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Testing conditions

- $V_F @ I_F = 20 \text{ mA}; I_V @ I_F = 20 \text{ mA}$

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Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Packing method
HLMP-3750A.A3R0	Full Production	\$0.058	T-1 3/4	TAPE REEL
HLMP-3750A	Full Production	\$0.051	T-1 3/4	BULK
HLMP-3750A.A1R0	Full Production	\$0.058	T-1 3/4	TAPE REEL
HLMP-3750A.A4R0	Full Production	\$0.058	T-1 3/4	TAPE REEL
HLMP3750AA5A0	Full Production	N/A	T-1 3/4	TAPE REEL

* 1,000 piece Budgetary Pricing

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HLMP-3850A

Yellow T-1 3/4 (5 mm) Solid State Lamp

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General description

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

The MV3X50 series in 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.

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Features

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

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Testing conditions

- $V_F @ I_F = 20 \text{ mA}$; $I_V @ I_F = 20 \text{ mA}$

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Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Packing method
HLMP-3850A	Full Production	\$0.051	T-1 3/4	BULK
HLMP-3850A.A4R0	Full Production	\$0.058	T-1 3/4	TAPE REEL

* 1,000 piece Budgetary Pricing

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HLMP-3950A

Green T-1 3/4 (5 mm) Solid State Lamp

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General description

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

The MV3X50 series in 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.

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Features

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

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Testing conditions

- $V_F @ I_F = 20 \text{ mA}$; $I_V @ I_F = 20 \text{ mA}$

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Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Packing method
HLMP-3950A.A6A0	Full Production	\$0.058	T-1 3/4	AMMO
HLMP-3950A.A4R0	Full Production	\$0.058	T-1 3/4	TAPE REEL
HLMP-3950A.A6R0	Full Production	\$0.058	T-1 3/4	TAPE REEL
HLMP-3950A	Full Production	\$0.051	T-1 3/4	BULK

* 1,000 piece Budgetary Pricing

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