

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 ($T_A = 25^\circ\text{C}$)

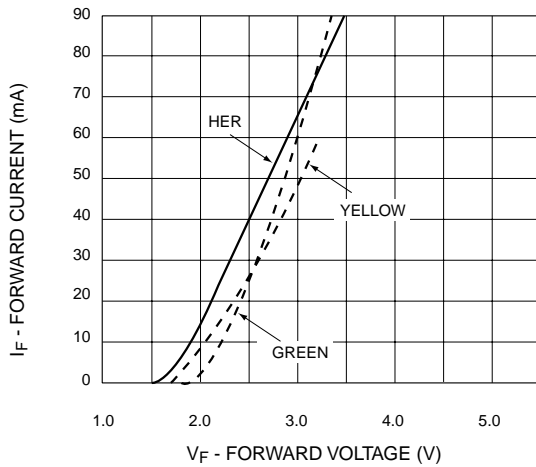


Fig. 1 Forward Current vs. Forward Voltage

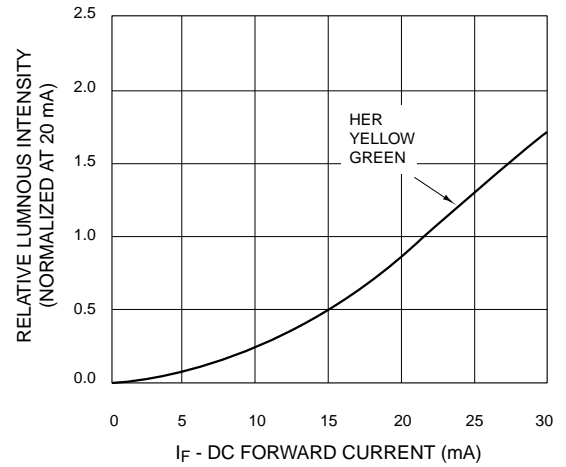


Fig. 2 Relative Luminous Intensity vs. DC Forward Current

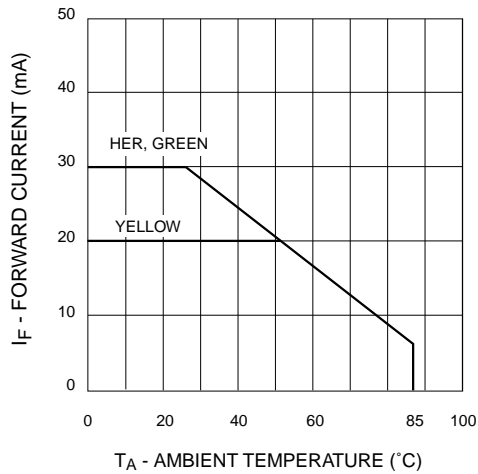


Fig. 3 Current Derating Curve

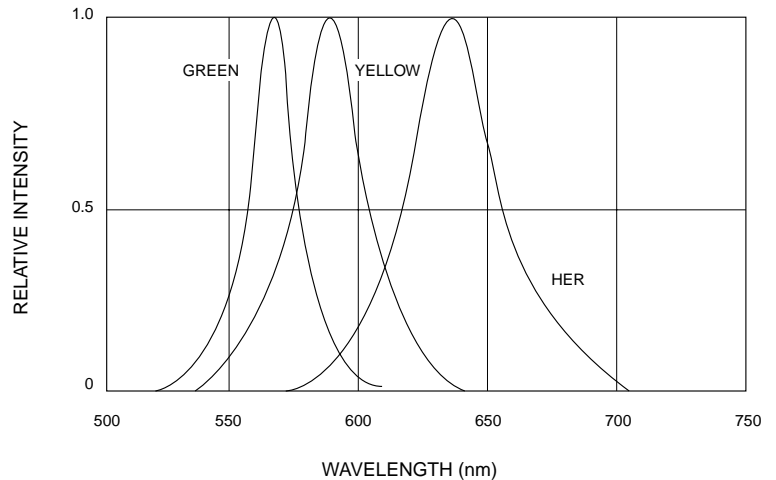


Fig. 4 Relative Intensity vs. Peak Wavelength

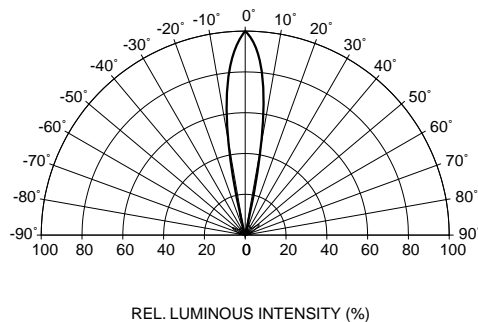


Fig. 5 Radiation Diagram

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