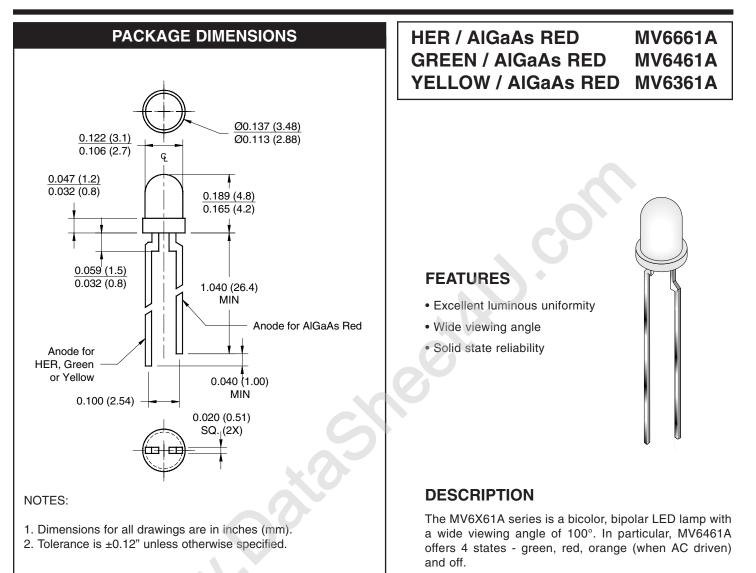


SEMICONDUCTOR

BICOLOR T-100 (3 mm) SOLID STATE LED LAMPS



Parameter	AlGaAs Red	HER	Green	Yellow	Units
Continuous Forward Current - I _F	30	30	30	25	mA
Peak Forward Current - I _F	90	90	90	60	
(f = 1.0 KHz, Duty Factor = 1/10)					mA
Reverse Voltage - $V_R (I_R = 10 \ \mu A)$	5	5	5	5	V V
Power Dissipation - P _D	135	135	135	95	mW
Operating Temperature - T _{OPR}		°C			
Storage Temperature - T _{STG}		°C			
Lead Soldering Time - T _{SOL}	260 for 5 sec				
2001 Fairchild Semiconductor Corpor			MA	И.	



BICOLOR T-100 (3 mm) SOLID STATE LED LAMPS

HER / AIGaAs RED GREEN / AIGaAs RED YELLOW / AIGaAs RED

MV6661A MV6461A MV6361A

ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)							
Part Number	MV6661A HER / AlGaAs Red	MV6461A Green / AlGaAs Red	MV6361A Yellow / AlGaAs Red	Condition			
Luminous Intensity (mcd)				I _F = 20 mA			
Minimum	2.5/2.5	2.5/2.5	2.5/2.5				
Typical	10/10	10/10	10/10				
Forward Voltage (V)				I _F = 20 mA			
Maximum	3.0/2.4	3.0/2.4	3.0/2.4				
Typical	2.1/1.7	2.1/1.7	2.1/1.7				
Peak Wavelength (nm)	635/660	565/660	585/660	I _F = 20 mA			
Spectral Line Half Width (nm)	45/20	30/20	35/20	I _F = 20 mA			
Viewing Angle (°)	100°	100°	100°	I _F = 20 mA			

TYPICAL PERFORMANCE CURVES

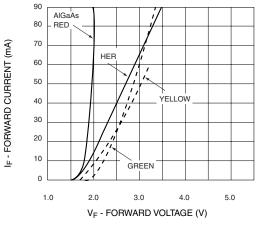


Fig. 1 Forward Current vs. Forward Voltage

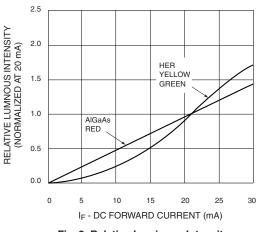


Fig. 2 Relative Luminous Intensity vs. DC Forward Current



BICOLOR T-100 (3 mm) SOLID STATE LED LAMPS

MV6661A
MV6461A
MV6361A

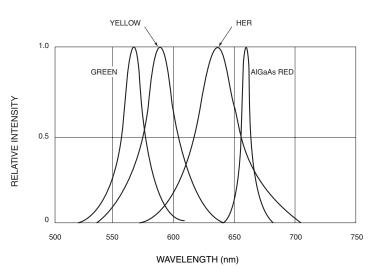
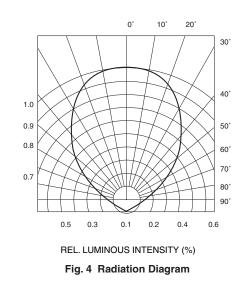


Fig. 3 Relative Intensity vs. Peak Wavelength



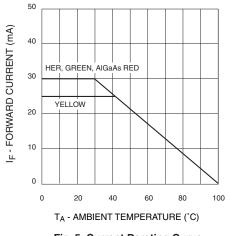


Fig. 5 Current Derating Curve



BICOLOR T-100 (3 mm) SOLID STATE LED LAMPS

HER / AIGaAs REDMV6661AGREEN / AIGaAs REDMV6461AYELLOW / AIGaAs REDMV6361A

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