

捷多邦,专业PCB打样工厂,24小时加急出货 BICOLOR T-100 (3 mm) SOLID STATE LED LAMPS

PACKAGE DIMENSIONS Ø0.137 (3.48) 0.122 (3.1) Ø0.113 (2.88) DZSC.COM 0.106 (2.7) 0.047 (1.2) 0.032 (0.8) 0.189 (4.8) 0.165 (4.2) $0.059^{1}(1.5)$ 0.032 (0.8) 1.040 (26.4) MIN Anode for AlGaAs Red Anode for HER, Green or Yellow 0.040 (1.00) MIN 0.100 (2.54) 0.020 (0.51)

SQ.,(2X)

NOTES:

- 1. Dimensions for all drawings are in inches (mm).
- 2. Tolerance is ±0.12" unless otherwise specified.

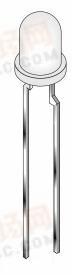
HER / AIGaAs RED MV6661A
GREEN / AIGaAs RED MV6461A
YELLOW / AIGaAs RED MV6361A







· Solid state reliability



DESCRIPTION

The MV6X61A series is a bicolor, bipolar LED lamp with a wide viewing angle of 100°. In particular, MV6461A offers 4 states - green, red, orange (when AC driven) and off.

ABSOLUTE MAXIMUM RATINGS (T _A = 25°C unless otherwise specified)								
Parameter	AlGaAs Red	HER	Green	Yellow	Units			
Continuous Forward Current - I _F	30	30	30	25	mA			
Peak Forward Current - I _F (f = 1.0 KHz, Duty Factor = 1/10)	90	90	90	60	mA			
Reverse Voltage - V _R (I _R = 10 μA)	5	5	5	5	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}		°C						



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ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)								
Part Number	MV6661A	MV6461A	MV6361A	Condition				
	HER / AlGaAs Red	Green / AlGaAs Red	Yellow / AlGaAs Red					
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	$I_F = 20 \text{ mA}$				
Spectral Line Half Width (nm)	45/20	30/20	35/20	I _F = 20 mA				
Viewing Angle (°)	100°	100°	100°	$I_F = 20 \text{ mA}$				

TYPICAL PERFORMANCE CURVES

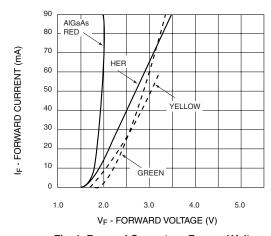


Fig. 1 Forward Current vs. Forward Voltage

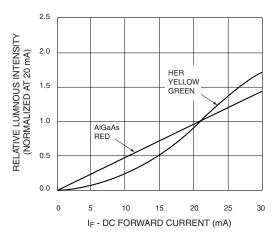


Fig. 2 Relative Luminous Intensity vs. DC Forward Current



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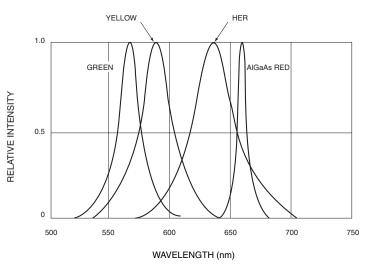


Fig. 3 Relative Intensity vs. Peak Wavelength

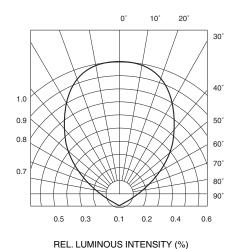


Fig. 4 Radiation Diagram

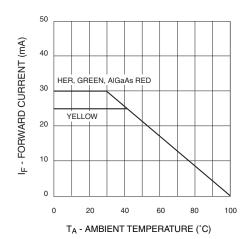


Fig. 5 Current Derating Curve



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