

PACKAGE DIMENSIONS AIGaAs RED / HER MV5094A **AIGaAs RED / GREEN** MV5491A ANODE LEAD CATHODE LEAD **FEATURES** ዊ 0.200 (5.08) 0.180 (4.57) • Popular T-1 3/4 package • Wide viewing angle 0.350 (8.89) 0.040 (1.02) 0.330 (8.38) · Solid state reliability 0.480 (12.19) 0.460 (11.68) 4 0.065 (1.6) 0.055 (1.4) 2X 0.850 (21.59) MIN 0.050 (1.27) 0.100 (2.54) Ø 0.230 (5.84) 0.100 (2.54) REF. **600** | 60 FLAT DENOTES GREEN CATHODE 0.023 (0.58) in MV5491A 0.017 (0.43) SQ. TYP. (2X) HER CATHODE in MV5094A DESCRIPTION The MV5X9XA is a two-leaded bipolar T-1 3/4 (5mm) lamp NOTE: with standoff. Each lamp comes with a white diffused lens with Dimensions are in inches (mm). a viewing angle of 75°.

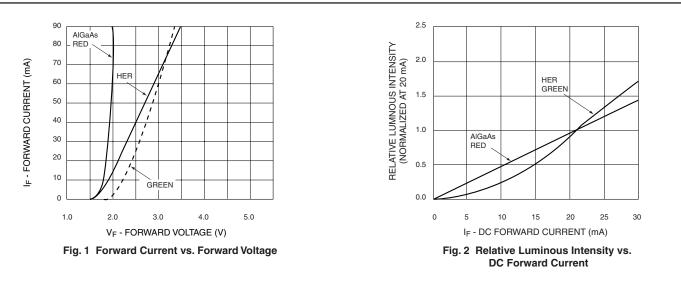
ABSOLUTE MAXIMUM RATINGS (T _A = 25°C unless otherwise specified)					
Parameter	AlGaAs Red/HER MV5094A	AlGaAs Red/Green MV5491A	Units		
Continuous Forward Current - I _F	30/30	30/30	mA		
Peak Forward Current - I _F (f = 1.0 KHz, Duty Factor = 1/10)	90	90	mA		
Reverse Voltage - $V_R (I_R = 10 \mu A)$	5	5	V		
Power Dissipation - P _D	120	120	mW		
Operating Temperature - T _{OPR}	-40 to +100		°C		
Storage Temperature - T _{STG}	-40 to +100		°C		
Lead Soldering Time - T _{SOL}					
Wave	260 for 5 sec		°C		
Reflow	240 fo				



AIGaAs RED / HER AIGaAs RED / GREEN MV5094A MV5491A

ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)				
Part Number	AIGaAs Red/HER MV5094A	AlGaAs Red/Green MV5491A	Condition	
Luminous Intensity (mcd)			I _F = 20 mA	
Minimum	2/2	2/2		
Typical	5/5	5/5		
Forward Voltage (V)			I _F = 20 mA	
Maximum	2.8/2.8	2.8/2.8		
Typical	2.0/2.0	2.0/2.0		
Peak Wavelength (nm)	660/635	660/565	I _F = 20 mA	
Spectral Line Half Width (nm)	20/45	20/30	I _F = 20 mA	
Viewing Angle (°)	75	75	l _F = 20 mA	

TYPICAL PERFORMANCE CURVES



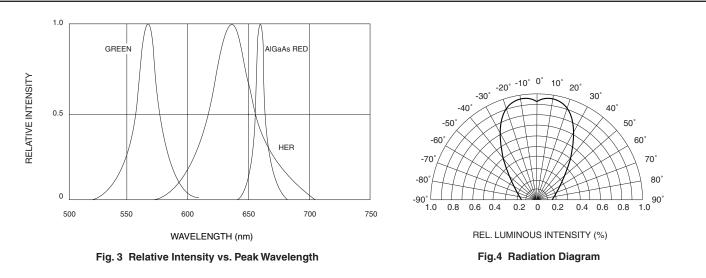
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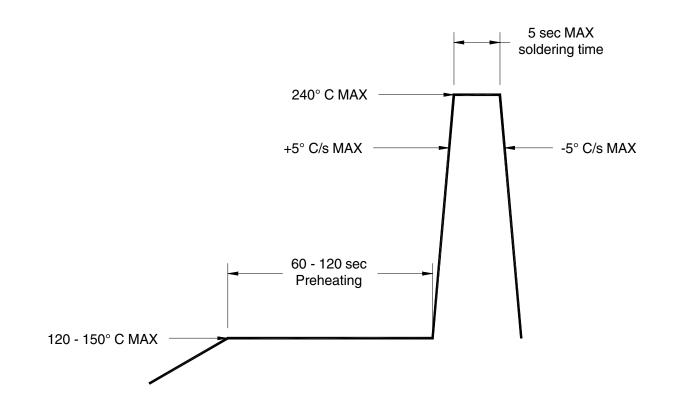
AIGaAs RED / HER AIGaAs RED / GREEN

MV5094A MV5491A

TYPICAL PERFORMANCE CURVES



RECOMMENDED IR REFLOW SOLDERING PROFILE



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