

ABSOLUTE MAXIMUM RATINGS (T _A = 25°C unless otherwise specified)				
Parameter	AlGaAs Red	Green	Units	
Continuous Forward Current - I _F	30	30	mA	
Peak Forward Current - I _F	90	90	mA	
(f = 1.0 KHz, Duty Factor = 1/10)	90			
Reverse Voltage - $V_R (I_R = 10 \mu A)$	5	5	V	
Power Dissipation - P _D	120	120	mW	
Operating Temperature - T _{OPR}	-55 to +100		٥C	
Storage Temperature - T _{STG}	-55 to +100		°C	
Lead Soldering Time - T _{SOL}	260 for 5 sec		٥C	

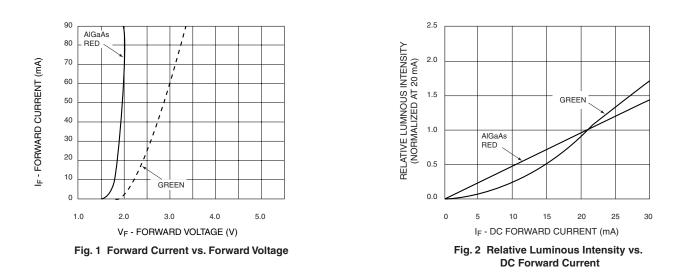


GREEN / AIGaAs RED

MV5439A

ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)			
Part Number	MV5439A Grn/AlGaAs Red	Condition	
Luminous Intensity (mcd)		I _F = 20 mA	
Minimum	2/10		
Typical	6/25		
Forward Voltage (V)		I _F = 20 mA	
Maximum	3.0/2.4		
Typical	2.3/1.7		
Chromatic Coordinates - Typical	X = 0.27, Y = 0.28	I _F = 20 mA	
Wavelength (nm)	565/660	I _F = 20 mA	
Spectral Line Half Width (nm)	30/20	I _F = 20 mA	
Viewing Angle (°)	100	I _F = 20 mA	

TYPICAL PERFORMANCE CURVES



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GREEN / AIGaAs RED MV5439A

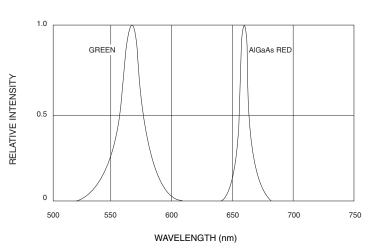


Fig. 3 Relative Intensity vs. Peak Wavelength

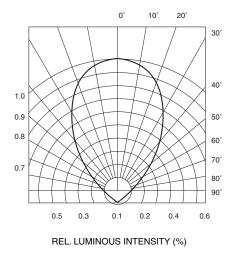
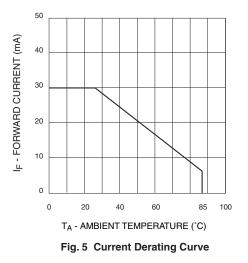


Fig. 4 Radiation Diagram





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