

Parameter	AIGaAs RED	HER	Green	Yellow	Orange	Units
Continuous Forward Current (I _F)	30	30	30	20	30	mA
Peak Forward Current (I _F) (f = 1.0 KHz, Duty Factor = 1/10)	90	90	90	60	90	mA
Power Dissipation (P _D)	120	120	120	85	100	mW
Reverse Voltage (V _R)	5	5	5	5	5	V
Operating Temperature (T _{OPR})	-55 to +100				°C	
Storage Temperature (T _{STG})	-55 to +100				°C	
Lead Soldering Time (T _{SOL})	260 for 5 sec				°C	

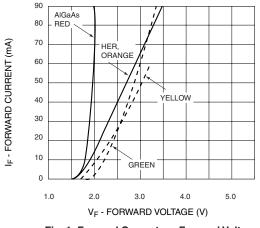


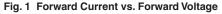
GREEN / YELLOW	MV5433
GREEN / ORANGE	MV5438
YELLOW / HER	MV5337
GREEN / HER	MV5437
GREEN / AIGaAs RED	MV5439

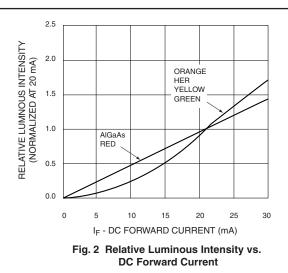
ELECTRICAL / OPTICAL CHARACTERISTICS (TA = 25°C)

Part Number	MV5437	MV5337	MV5433	MV5438	MV5439	
	Grn/HER	Yel/HER	Grn/Yel	Grn/Orange	Grn/AlGaAs Red	Condition
Luminous Intensity (mcd)						I _F = 20 mA
Minimum	2/2	2/2	2/2	2/2	2/10	
Typical	6/6	6/6	6/6	6/6	6/25	
Forward Voltage (V)						I _F = 20 mA
Maximum	3.0/3.0	3.0/3.0	3.0/3.0	3.0/3.0	3.0/2.4	
Typical	2.1/2.1	2.1/2.1	2.3/2.3	2.3/2.3	2.3/1.7	
Peak Wavelength (nm)	565/635	585/635	565/585	565/610	565/660	I _F = 20 mA
Spectral Line Half Width (nm)	30/45	35/45	30/35	30/40	30/20	I _F = 20 mA
Viewing Angle (°)	100°	100°	100°	100°	100°	I _F = 20 mA

TYPICAL PERFORMANCE CURVES









GREEN / YELLOW	MV5433
GREEN / ORANGE	MV5438
YELLOW / HER	MV5337
GREEN / HER	MV5437
GREEN / AIGaAs RED	MV5439

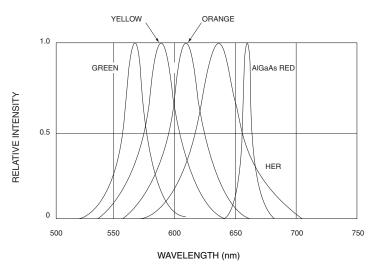
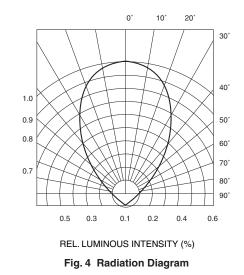
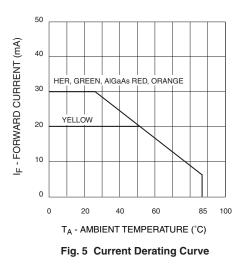


Fig. 3 Relative Intensity vs. Peak Wavelength







MV5433
MV5438
MV5337
MV5437
MV5439

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- 2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.