Parameter	RED	UNITS
Power Dissipation	87	mW
Peak Forward Current (f=1kHz, DF=10%)	300	mA
Continuous DC Forward Current	30	mA
Lead Soldering Time at 260° C	5	sec
Operating Temperature	-20 to +100	°C
Storage Temperature	-55 to +100	°C

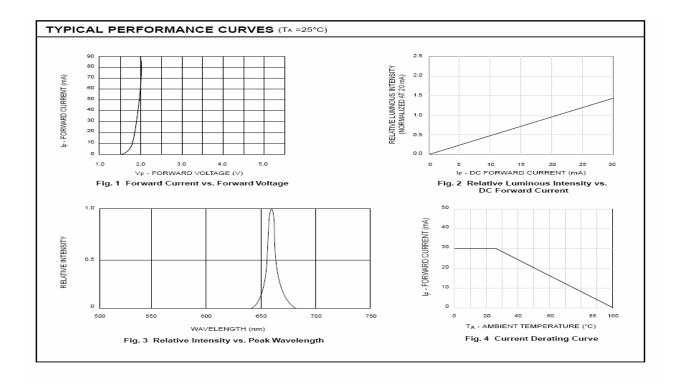
ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)						
Parameter	HLMP-K101	HLMP-K105	HLMP-D101A	HLMP-D105A	Condition	
Luminous Intensity (mcd)					$I_F = 20mA$	
Minimum	22	35	35	100		
Typical	45	65	70	240		
Forward Voltage (V)					$I_F = 20mA$	
Maximum	2.2	2.2	2.2	2.2		
Typical	1.8	1.8	1.8	1.8		
Peak Wavelength (nm)	099	660	099	660	$I_F = 20mA$	
Spectral Line Half Width	20	20	20	20	$I_F = 20mA$	
Reverse Voltage (V)	5	5	5	5	$I_R = 100 \mu A$	
Viewing Angle (°)	90	45	65	24	$I_F = 20mA$	



### EVERLIGHT DOUBLE HETEROJUNCTION AIGAAS HIGH INTENSITY RED LED LAMPS **HIGH INTENSITY RED LED LAMPS**



# DOUBLE HETEROJUNCTION AIGaAs HIGH INTENSITY RED LED LAMPS





# DOUBLE HETEROJUNCTION AIGaAs HIGH INTENSITY RED LED LAMPS

#### TYPICAL PERFORMANCE CURVES (TA =25°C) -50° 50° -50° 50° -70 70° -70° 70° -80 80° -80 80° -90° └ 100 ا 90° 100 -90° 100 \_\_\_ 90° 100 60 60 REL. LUMINOUS INTENSITY (%) REL. LUMINOUS INTENSITY (%) Fig. 5A Radiation Diagram (HLMP-D101A) Fig. 5B Radiation Diagram (HLMP-K101) 20° 20° -50° 50° -60° 60° 60° -601 -70 -70 70° 80° -80 80° -90° └ 100 ⊒ 90° 100 ⊒ 90° 100 REL. LUMINOUS INTENSITY (%) REL. LUMINOUS INTENSITY (%) Fig. 5C Radiation Diagram (HLMP-D105A) Fig. 5D Radiation Diagram (HLMP-K105)



## DOUBLE HETEROJUNCTION AIGAAS HIGH INTENSITY RED LED LAMPS

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