

DOUBLE HETEROJUNCTION AIGaAs LOW CURRENT RED LED LAMPS

T-1 3/4 (5mm) HLMP-D150A Red Diffused

HLMP-D155A Red Clear with Standoff

T-100 (3mm) HLMP-K150 Red Diffused

HLMP-K155 Red Clear

PACKAGE DIMENSIONS .122 (3.1) .135 (3.15) .138 (4.8) .165 (4.2) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54) .100 (2.54)

HLMP-K150/K155

FEATURES

- · Wide Viewing Angle
- · Deep Red Color

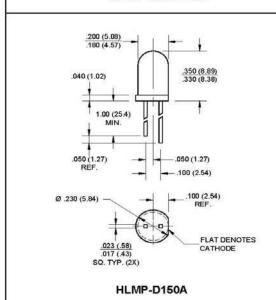
DESCRIPTION

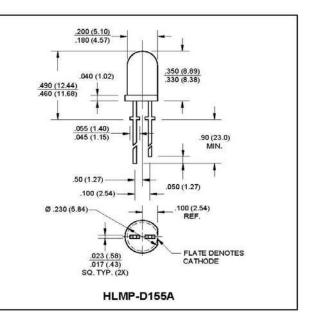
Exceptional light output typifies these devices and provides for their use over a broad range of drive currents. The LED material is based on double heterojunction (DH) AlGaAs/GaAs technology.



NOTES:

- 1. ALL DIMENSIONS ARE IN INCHES (mm).
- 2. TOLERANCE ARE ±.010" UNLESS OTHERWISE SPECIFIED.
- AN EPOXY MENISCUS MAY EXTEND ABOUT .040"(1 mm) DOWN THE LEADS.







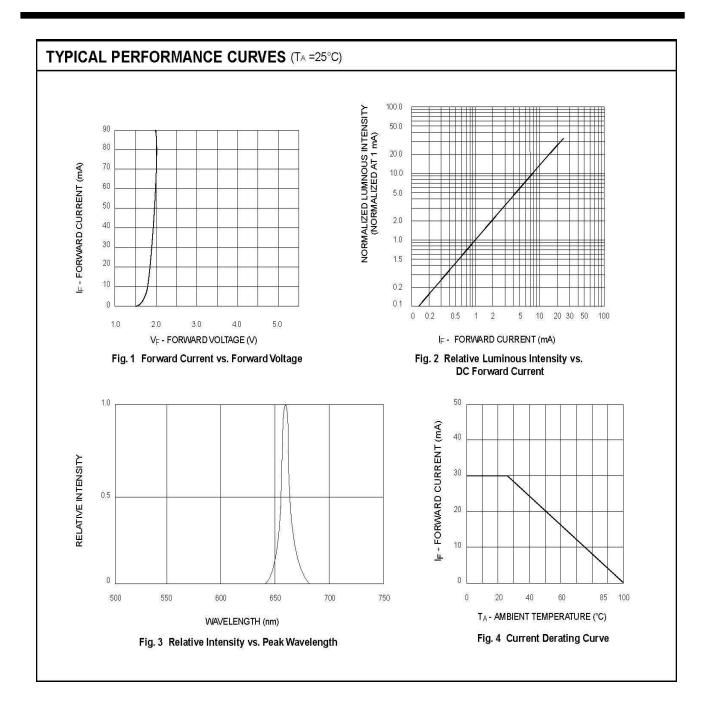
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Parameter	RED	UNITS
Power Dissipation	87	mW
Peak Forward Current (f=1kHz, DF=10%)	300	mA
Continuous DC Forward Current	30	mA
Lead Soldering Time at 260° C	5	sec
Operating Temperature	-20 to +100	°C
Storage Temperature	-55 to +100	°C

ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)						
Parameter	HLMP-K150	HLMP-K155	HLMP-D150A	HLMP-D155A	Condition	
Luminous Intensity (mcd)					I _F = 1mA	
Minimum	1.2	2.0	1.2	3.0		
Typical	2.0	3.0	3.0	10.0		
Forward Voltage (V)					I _F = 1mA	
Maximum	1.8	1.8	1.8	1.8		
Typical	1.6	1.6	1.6	1.6		
Peak Wavelength (nm)	660	660	660	660	I _F = 1mA	
Spectral Line Half Width	20	20	20	20	I _F = 1mA	
Reverse Voltage (V)	5	5	5	5	I _R = 100μA	
Viewing Angle (°)	60	45	65	24	I _F = 1mA	



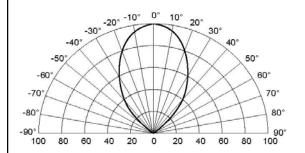
EVERLIGHT DOUBLE HETEROJUNCTION AIGaAs **LOW CURRENT RED LED LAMPS**





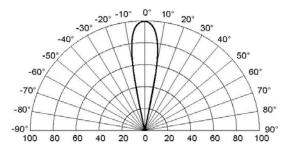
DOUBLE HETEROJUNCTION AIGAAS **LOW CURRENT RED LED LAMPS**

TYPICAL PERFORMANCE CURVES (TA =25°C)



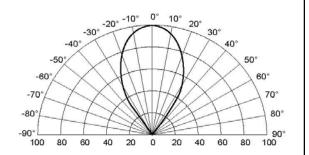
REL. LUMINOUS INTENSITY (%)

Fig. 5A Radiation Diagram (HLMP-D150A)



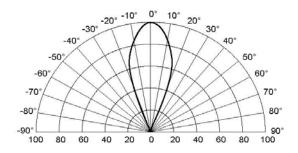
REL. LUMINOUS INTENSITY (%)

Fig. 5C Radiation Diagram (HLMP-D155A)



REL. LUMINOUS INTENSITY (%)

Fig. 5B Radiation Diagram (HLMP-K150)



REL. LUMINOUS INTENSITY (%)

Fig. 5D Radiation Diagram (HLMP-K155)



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