

T-100 (3mm)

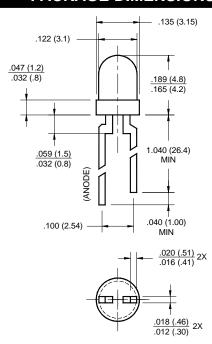
DOUBLE HETEROJUNCTION AIGaAs LOW CURRENT RED LED LAMPS

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

HLMP-D155A Red Clear with Standoff

HLMP-K150 Red Diffused Red Clear

PACKAGE DIMENSIONS



HLMP-K150/K155

FEATURES

- Wide Viewing Angle
- Deep Red Color

DESCRIPTION

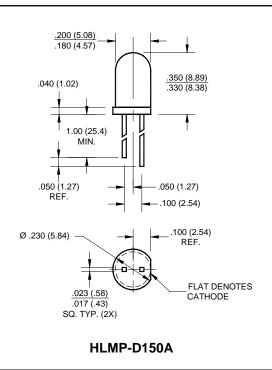
Exceptional light output typifies these devices and provides for their use over a broad range of drive currents.

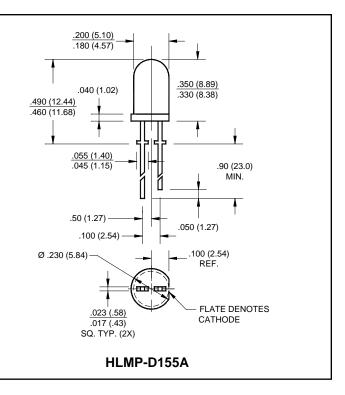
The LED material is based on double heterojunction (DH) AlGaAs/GaAs technology.



NOTES:

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





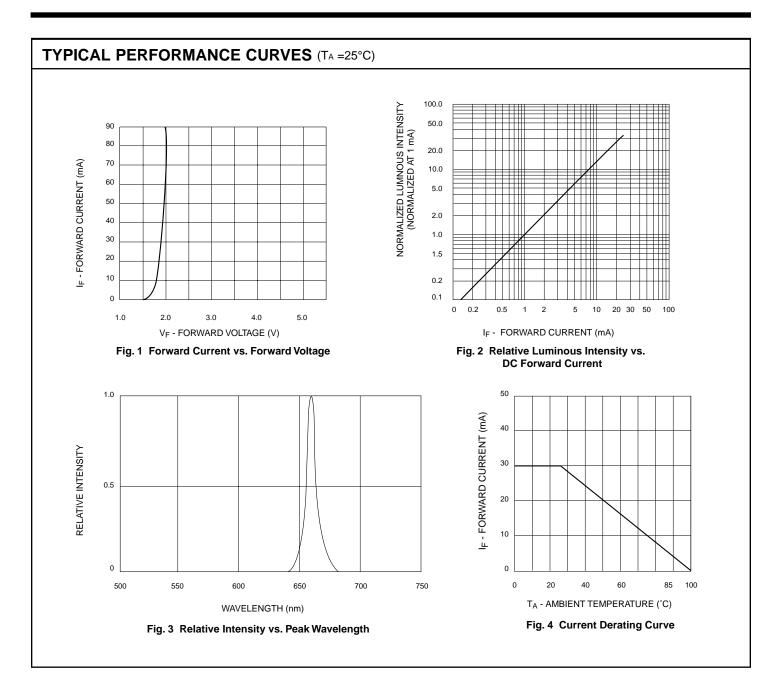


ABSOLUTE MAXIMUM RATING (TA =25°C)		
Parameter	RED	UNITS
Power Dissipation	87	mW
Peak Forward Current (f=1kHz, DF=10%)	300	mA
Continuous DC Forward Current	30	mA
Lead Soldering Time at 260° C	5	sec
Operating Temperature	-20 to +100	°C
Storage Temperature	-55 to +100	°C

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	$I_{R} = 100 \mu A$
Viewing Angle (°)	60	45	65	24	$I_{\rm F} = 1 \text{mA}$

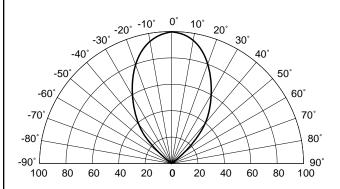
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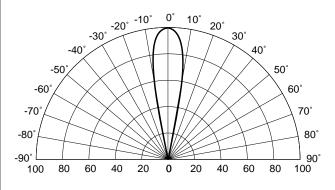


TYPICAL PERFORMANCE CURVES (TA =25°C)



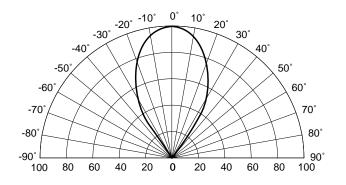
REL. LUMINOUS INTENSITY (%)

Fig. 5A Radiation Diagram (HLMP-D150A)



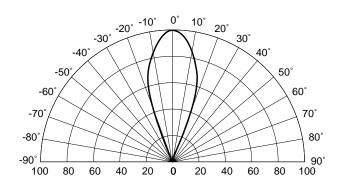
REL. LUMINOUS INTENSITY (%)

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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