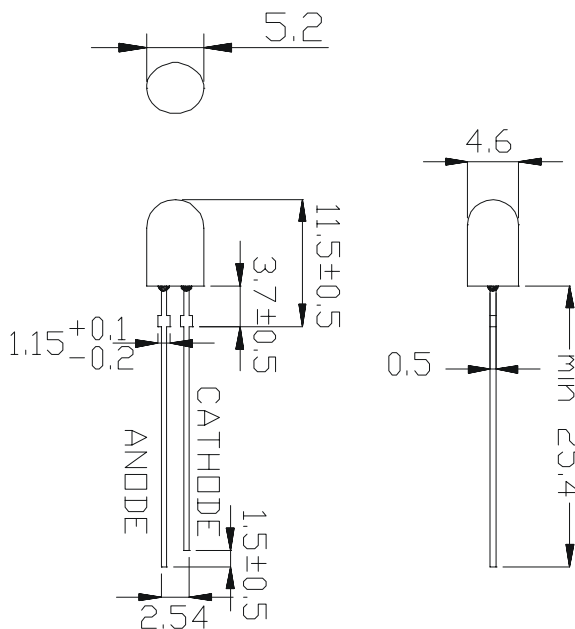


Device Selection Guide

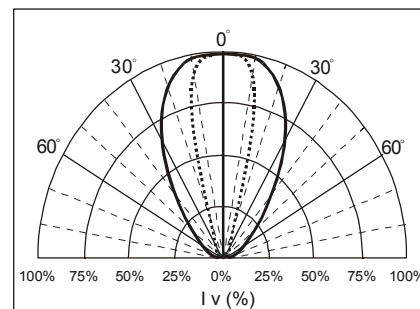
Part Number EOL-	Luminous Intensity I _v (mcd) @ I _F = 20mA		Viewing Angle 2θ _{1/2}	Dominant Wavelength λ _D (nm) @ I _F = 20mA	Forward Voltage V _F (V) @ I _F = 20 mA		I _R (μA) @ V _R = 5V	Stand Off	Epoxy Color
	Min.	Typ.	Typ.	Typ.	Typ.	Max.	Max.		
HARPDD0-DG	295	470	70°/35°	623	2.0	2.4	10	Yes	Red Diffused

BIN #	N	P	Q		
Intensity (mcd) @ I _F =20mA	295-415	415-580	580-810		

Package Dimensions



Beam Pattern



Note:

- All dimensions are in millimeter.
- Unspecified tolerance : ±0.20mm.
- Protruded resin under bottom surface of epoxy is 1.5mm max.
- Lead spacing is measured where the leads emerge from the package
- Specifications are subject to be changed without notice.

Absolute Maximum Ratings at T_A = 25°C

Parameter	Symbol	Maximum Value	USER---APPROVED
Average Forward Current	I _F	30mA	
Peak Forward Current ^[a]	I _{peak}	100mA	
Reverse Voltage	V _R	5V	
Power Dissipation	P _D	72mW	
Operating Temperature Range	T _{OPR}	-40°C ~ + 85°C	
Storage Temperature Range	T _{STO}	-40°C ~ + 100°C	
Lead Soldering Temperature	T _{SOL}	260°C / 5 seconds	

Notes: [a] Duty Ratio = 1/10, Pulse Width = 0.1ms.

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