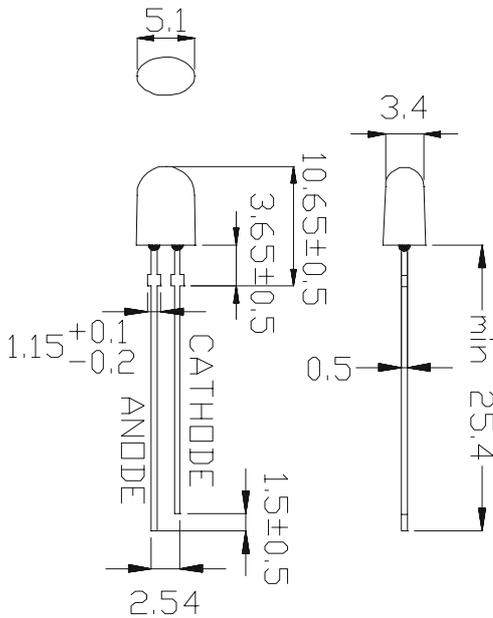


## Device Selection Guide

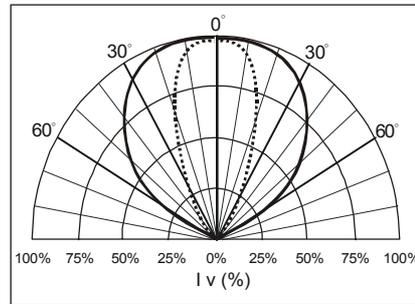
Part Number EOL-	Luminous Intensity I <sub>v</sub> (mcd) @ I <sub>F</sub> = 20mA		Viewing Angle 2θ <sub>1/2</sub>	Dominant Wavelength λ <sub>D</sub> (nm) @ I <sub>F</sub> = 20mA	Forward Voltage V <sub>F</sub> (V) @ I <sub>F</sub> = 20 mA		I <sub>R</sub> (μA) @ V <sub>R</sub> = 5V	Stand Off	Epoxy Color
	Min.	Typ.	Typ.	Typ.	Typ.	Max.	Max.		
HERTDD0-DG	415	450	105°/45°	623	2.0	2.4	10	Yes	Red Diffused

BIN #	P	Q			
Intensity (mcd) @ I <sub>F</sub> =20mA	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<sub>A</sub> = 25°C

Parameter	Symbol	Maximum Value	USER---APPROVED
Average Forward Current	I <sub>F</sub>	30mA	
Peak Forward Current <sup>[a]</sup>	I <sub>peak</sub>	100mA	
Reverse Voltage	V <sub>R</sub>	5V	
Power Dissipation	P <sub>D</sub>	72mW	
Operating Temperature Range	T <sub>OPR</sub>	-40°C ~ + 85°C	
Storage Temperature Range	T <sub>STO</sub>	-40°C ~ + 100°C	
Lead Soldering Temperature	T <sub>SOL</sub>	260°C / 5 seconds	

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

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