

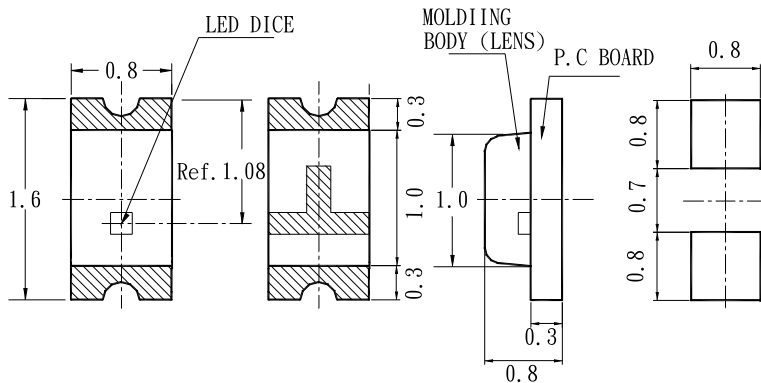
**Device Selection Guide**

Part Number EOS-	Luminous Intensity $I_v$ (mcd) @ $I_f = 20$ mA		Viewing Angle $2\theta_{1/2}$ @ $I_f = 20$ mA	Dominant Wavelength $\lambda_d$ (nm) @ $I_f = 20$ mA	$V_f$ @ $I_f = 20$ mA		$I_r$ ( $\mu$ A) @ $V_r = 5$ V	Epoxy Color
	Min.	Typ.	Typ.	Typ.	Typ.	Max.	Max.	
19GWCC0-DF	20	25	135°	570	2.0	2.4	10	Clear

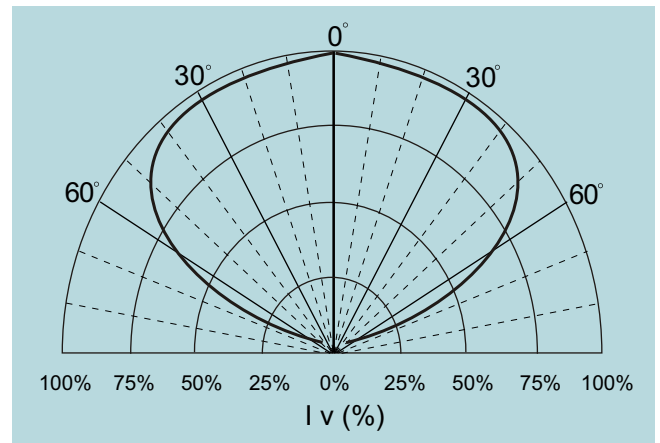
BIN#	E	F*
Intensity(mcd) @ $I_f = 20$ mA	20-27	27-38

Notes: [1] Tolerance for Min. Value  $\pm 15\%$

**Package Dimensions**



**Beam Pattern**



Note:

- All dimensions are in millimeter (mm).
- Unspecified tolerance:  $\pm 0.20$ mm.
- Protruded resin 1.5mm max.
- Lead spacing is measured where the leads emerge from the package
- Specifications are subject to change without notice.

Absolute Maximum Ratings at  $T = 25^\circ\text{C}$

Parameter	Symbol	
Peak Forward Current	$I_{fm}$	65mA
Average Forward Current	$I_f$	20mA
Reverse Voltage	$V_r$	6V
Operating Temperature Range	$T_{opr}$	-25°C to + 80°C
Storage Temperature Range	$T_{sto}$	-30°C to + 85°C
Lead Soldering Temperature	$T_{sol}$	260°C / 5 Secondes

Notes: Duty Ratio=1/10, Pulse Width=0.1 ms