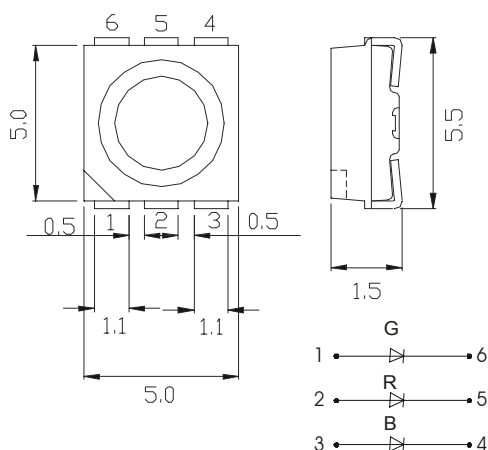


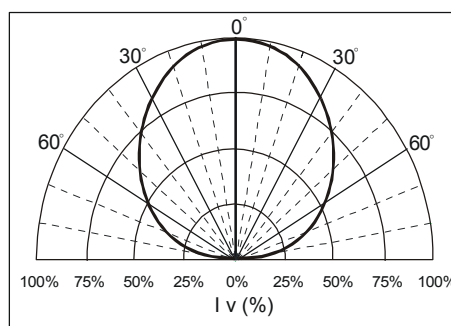
Device Selection Guide

Part Number EOS-	Luminous Intensity $I_v(\text{mcd}) @ I_F = 20\text{mA}$		Viewing Angle $2\theta_{1/2}$	Dominant Wavelength $\lambda_D(\text{nm}) @ I_F = 20\text{mA}$	Forward Voltage $V_F(\text{V}) @ I_F = 20\text{mA}$		$I_R(\mu\text{A}) @ V_R = 5\text{V}$
	Min.	Typ.	Typ.	Typ.	Typ.	Max.	Max.
RGB603A00	140	270	120°	625	2.2	2.75	10
	450	690		525	3.3	4.55	10
	90	180		470	3.3	4.55	10

Package Dimensions



Beam Pattern



Note:

- All dimensions are in millimeter.
- Tolerance is $\pm 0.20\text{mm}$ unless otherwise note.
- Specifications are subject to be changed without notice.

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

Parameter	Symbol	Maximum Value			USER---APPROVED
		Red	Green	Blue	
Average Forward Current	I _F	30mA	20mA	20mA	
Peak Forward Current ^[a]	I _{peak}	100mA	200mA	200mA	
Reverse Voltage	V _R	5V			
Power Dissipation	P _D	82.5mW	91mW	91mW	
Operating Temperature Range	T _{OPR}	-40℃ ~ + 85℃			
Storage Temperature Range	T _{STO}	-40℃ ~ + 100℃			
Lead Soldering Temperature	T _{SOL}	260℃ / 5 seconds			

Notes: [a] $t_p \leq 10 \mu\text{s}$, Duty Cycle = 0.005

Headquarters

5F, No. 1, Creation Road II, Hsinchu Science Park,
Hsinchu, Taiwan 300, R.O.C.
Tel : 886-3-5679000 Fax : 886-3-5679999
http://www.eoi.com.tw E-mail : Service@eoi.com.tw

U.S. Office

1400 W. Lambert Road, Suite B,
Brea, CA92821, U.S.A
Tel : 1-562-694-1246 Fax : 1-562-691-3087
http://www.eoi-us.com E-mail : Sales@eoius.com

