EXCELLENCE OPTO. INC.

EOS-RGB601A00

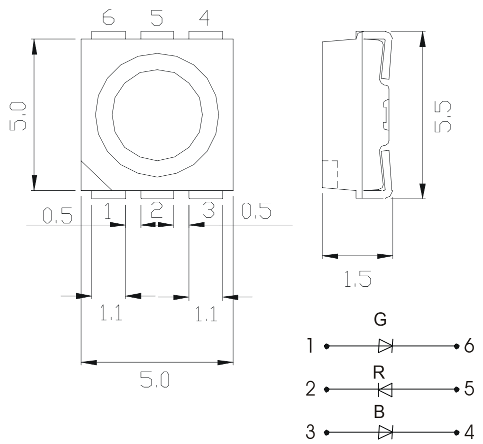
Date	Spec. Number	Ver.
2006/4/7	S-155-00	B-00

Device Selection Guide

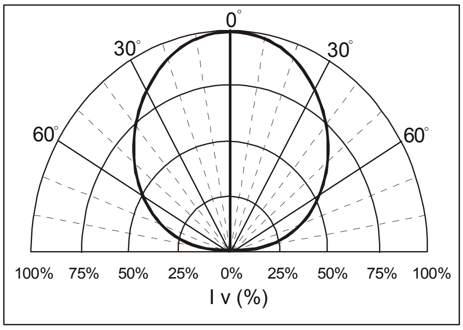
Part Number EOS-	Luminous Intensity Iv(mcd) @ I_F = 20mA		Viewing Angle $2\theta_{1/2}$	Dominant Wavelength λ_D(nm) @ I_F = 20mA	Forward Voltage V_F (v) @ I_F = 20 mA		I_R(μA) @ V_R = 5V
	Min.	Typ.	Typ.	Typ.	Typ.	Max.	Max.
RGB601A00	335	460	120°	623	2.2	2.75	10
	285	600		525	3.4	4.55	50
	112.5	180		470	3.4	4.55	50

Part Number EOS-	Luminous Intensity Iv(mcd) @ I_F = 20mA	Viewing Angle $2\theta_{1/2}$	Chromaticity @ I_F = 20mA		Driving Current		
	Typ.	Typ.	X (Typ.)	Y (Typ.)	R	G	B
RGB601A00	1000	120	0.31	0.32	20mA	20mA	20mA

Package Dimensions



Beam Pattern



Note:

- All dimensions are in millimeter.
- Tolerance is ±0.20mm unless otherwise note.
- Specifications are subject to be changed without notice.

Absolute Maximum Ratings at T_A = 25℃

Parameter	Symbol	Maximum Value			USER---APPROVED
		Red	Green	Blue	
Average Forward Current	I_F	30mA	20mA	20mA	
Peak Forward Current[a]	I_{peak}	100mA	50mA	50mA	
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] tp ≦ 10μs, Duty Cycle = 0.005

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