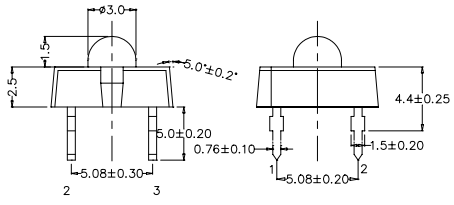
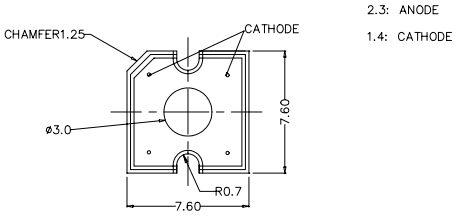
Super Flux Pure Green LED
OSPG7161D

▪Features

- Super Flux Output
- Water Clear Type
- Superior Weather-resistance
- Design For High Current Operation.

▪Outline Dimension





▪Applications

- Automotive Dashboard Lighting
- Traffic signal lamp
- Other Exterior Lighting

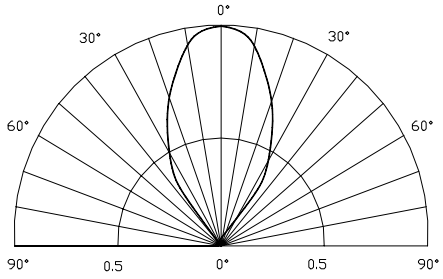
▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	100	mA
Pulse Forward Current[1]	I_{FP}	150	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	125	mW
Operating Temperature	Topr	-40 ~ +95	℃
Storage Temperature	Tstg	-40 ~ +100	℃
Lead Soldering Temperature[2]	Tsol	260℃/5sec	-

Notes: 1.Pulse width Max.10ms Duty ratio max 1/10.

2.2mm below package base.

▪Directivity



▪Electrical -Optical Characteristics (Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	I_F=20mA	2.8	3.4	4.0	V
DC Reverse Current	I_R	V_R=5V	-	-	30	μA
Domi. Wavelength	λ_D	I_F=20mA	520	525	530	nm
Luminous Intensity	Iv	I_F=20mA I_F=50mA	3000 *5800	4200 *7000	5800 *8400	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	60	-	deg

Notes:

1. * Luminous Intensity with asterisk measured at 50mA.
2. Drive current between 10 mA and 30 mA are recommended for long term performance
3. Operation at current below 10 mA is not recommended

LED & Application Technologies

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