



OptoSupply

Light It Up

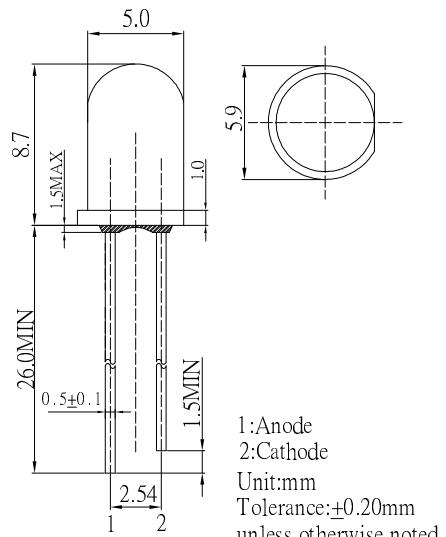
5mm Pure Green LED

OSPG5161A-RS

■Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Outline Dimension



■Applications

- Electronic Signs and Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	30	mA
Pulse Forward Current#	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	108	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40~ +100	°C
Lead Soldering Temperature	T _{sol}	260°C/5sec	-

#Pulse width Max.10ms Duty ratio max 1/10

■Electrical -Optical Characteristics

(Ta=25°C)

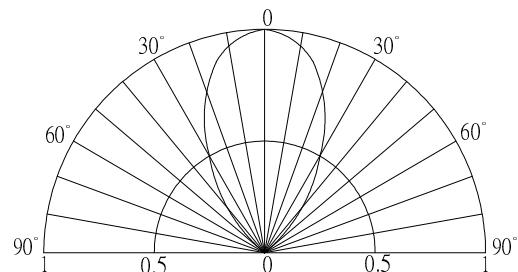
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage* ₁	V _F	I _F =20mA	2.9	3.1	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength* ₂	λ _p	I _F =20mA	520	525	530	nm
Luminous Intensity* ₃	I _v	I _F =20mA	7000	8400	-	mcd
50% Power Angle	2θ _{1/2}	I _f =20mA	-	60	-	deg

*₁ Tolerance of measurements of forward voltage is ±0.1V

*₂ Tolerance of measurements of Domi. wavelength is ±1nm

*₃ Tolerance of measurements of luminous intensity is ±15%

■Directivity



LED & Application Technologies



InGaN LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

