OptoSupply
Light It Up

5mm Round UV Variable Voltage LED

OSVXXX5111A-VVLED

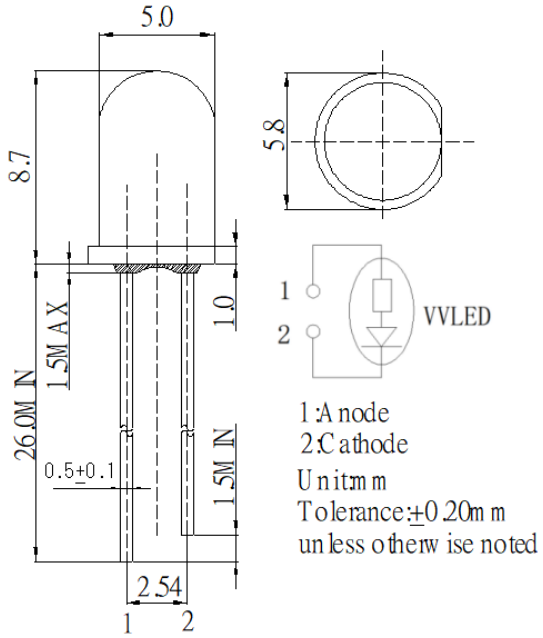
■Features

- High Radiant Flux LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Variable Voltage LED (3-13V)
- Cost Effective (Saves Space and Resistor Cost)
- Water Clear Type

■Applications

- Status Indicators
- Other Lighting

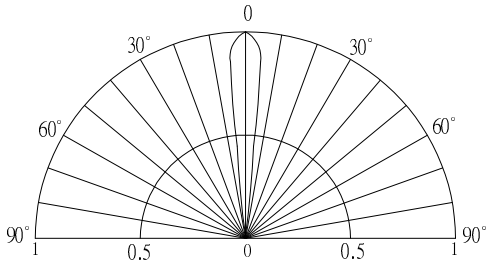
■Outline Dimension



■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Voltage	V_F	16	V
Reverse Voltage	V_R	12	V
Power Dissipation	P_D	208	mW
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-30~ +85	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Part Number	Visual Color	I_F (mA)			Radiant flux*(mW)			WP*(nm)			2θ1/2(deg)
		Min	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
		V_F =9V			V_F =9V						
OSV1YL5111A-VVLED	White	-	7.5	13	1	2	-	360	365	370	15
OSV2YL5111A-VVLED	White	-	7.5	13	1.5	3	-	370	375	380	15
OSV3SL5111A-VVLED	Purple	-	7.5	13	3	4	-	380	385	390	15
OSV4DL5111A-VVLED	Purple	-	7.5	13	5	7	-	390	395	400	15
OSV5DL5111A-VVLED	Purple	-	7.5	13	5	7	-	400	405	410	15

*1 Tolerance of measurements of Peak wavelength is ±1nm
*2 Tolerance of measurements of Radiant flux is ±15%
*3 Tolerance of measurements of Forward voltage is ±0.1V

LED & Application Technologies

CNAS IAF ISO 9001: 2008

RoHS Compliant EU2002/95/EC www.optosupply.com

REACH The new EU chemicals legislation

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES

InGaN and Si Resistor LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES