OptoSupply

1.8mm Tower Violet LED

OSV5YL7331A

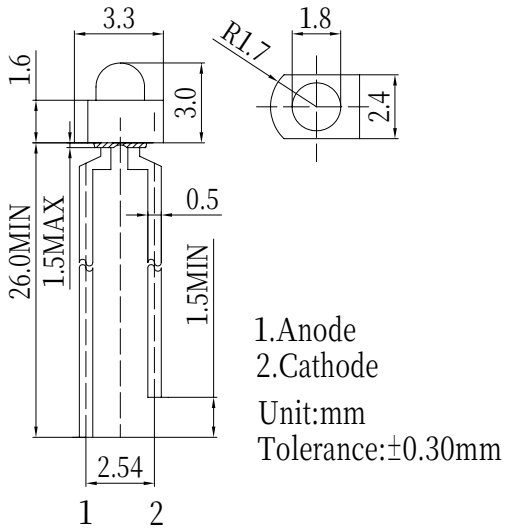
▪Features

- High Luminous LEDs
- 1.8mm Tower Standard Directivity
- Long Lifetime Operation
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

▪Applications

- Counterfeit Detection
- NDT Crack Detection
- Fluid Leak Detection
- Forensic Science/Infection Control
- Other Lighting

▪Outline Dimension

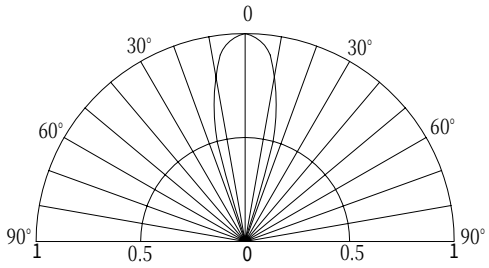


▪Absolute Maximum Rating (Ta=25℃)

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	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40 ~ +100	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

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

▪Directivity



▪Electrical -Optical Characteristics (Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	I_F=20mA	2.9	3.1	3.6	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Peak Wavelength*	λ_p	I_F=20mA	400	405	410	nm
Radiant flux*	Φe	I_F=20mA	2.0	5.0	6.0	mW
Luminous Intensity*	Iv	I_F=20mA	90	120	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	30	-	deg

*1 Tolerance of Peak wavelength is ±1nm
*2 Tolerance of luminous intensity is ±15%