OptoSupply

1.8mm Tower Violet LED

OSV5HA7331A

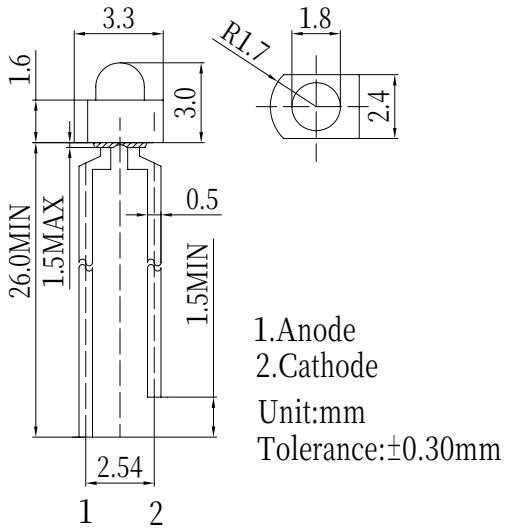
▪Features

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

▪Applications

- Automotive Dashboard Lighting
- Money Detector
- Back Lighting
- Other Lighting

▪Outline Dimension



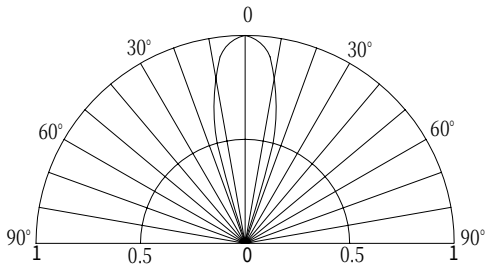
1.Anode
2.Cathode
Unit:mm
Tolerance:±0.30mm

▪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	114	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	3.0	3.4	3.8	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Peak Wavelength*	λ_p	I_F=20mA	400	405	410	nm
Luminous Intensity*	Iv	I_F=20mA	-	60	-	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%

LED & Application Technologies

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES