

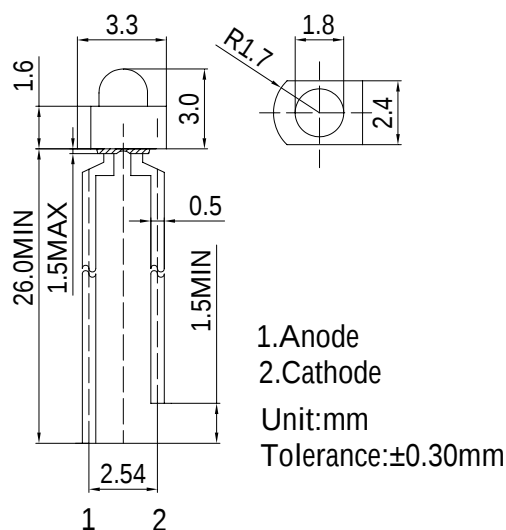
■ Features

- 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

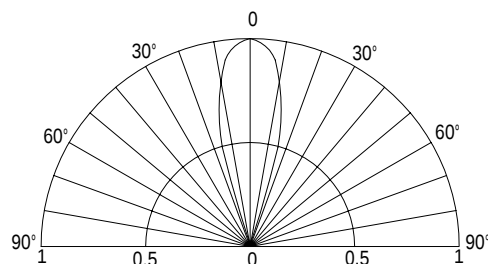


■Absolute Maximum Rating

(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	-

■ Directivity



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

■Electrical -Optical Characteristics

(Ta=25)

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

*1 Tolerance of Peak wavelength is +1nm

*2 Tolerance of luminous intensity is $\pm 15\%$

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