

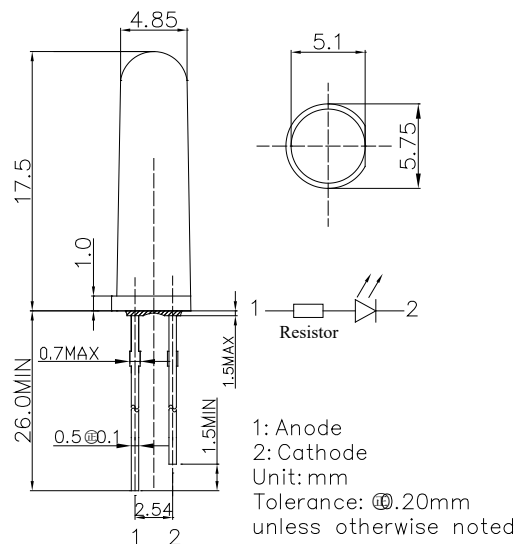
■Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Integral Current Limiting Resistor
- TTL Compatible (Requires No External Current Limiter With 12 Volt Supply)
- Cost Effective (Saves Space and Resistor Cost)
- Water Clear Type

■Applications

- Illuminator
- Decorative and entertainment lighting
- Signage applications

■Outline Dimension

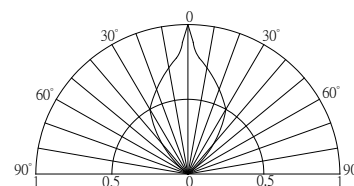


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V _F	12	V
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	120	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{sol}	260°C/5sec	-

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Current	I _F	V _F =12V	-	10	15	mA
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Color Temperature	CCT	V _F =12V	-	3000	-	K
Chromaticity Coordinates*	x	V _F =12V	-	0.45	-	
	y	V _F =12V	-	0.41	-	
Luminous Intensity*	I _v	V _F =12V	2180	3000	-	mcd
50% Power Angle	2θ _{1/2}	V _F =12V	-	60	-	deg

*1 Tolerance of measurements of chromaticity coordinates is ±10%

*2 Tolerance of measurements of color temperature is ±10%

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

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