

Data Sheet

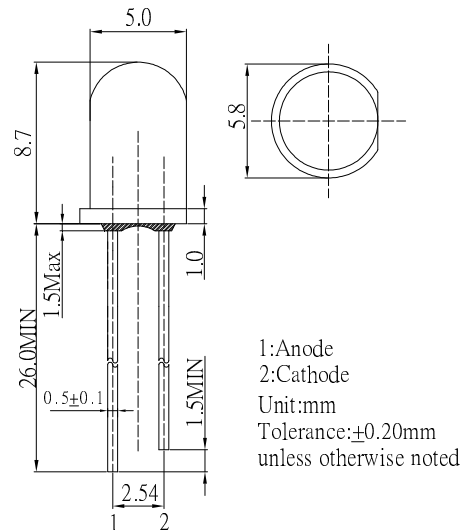
■ Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Water Clear Type

■ Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■ Outline Dimension



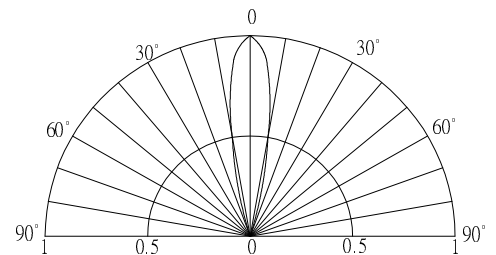
Absolute Maximum Rating

Ta=25°C

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	102	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{sol}	260 °C/5sec	-

#Pulse width Max 10ms , Duty ratio max 1/10

■ Directivity



Electrical -Optical Characteristics

Ta=25°C

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F	I _F =20mA	-	2.9	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Luminous Intensity*2	I _v	I _F =20mA	14400	18000	-	mcd
Color Temperature*3	CCT	I _F =20mA	-	6500	-	K
Chromaticity Coordinates*4	x	I _F =20mA	-	0.31	-	
	y	I _F =20mA	-	0.33	-	
50% Power Angle	2θ _{1/2}	I _F =20mA	-	20	-	deg

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

*2 Tolerance of measurements of luminous Intensity ±15%

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

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