

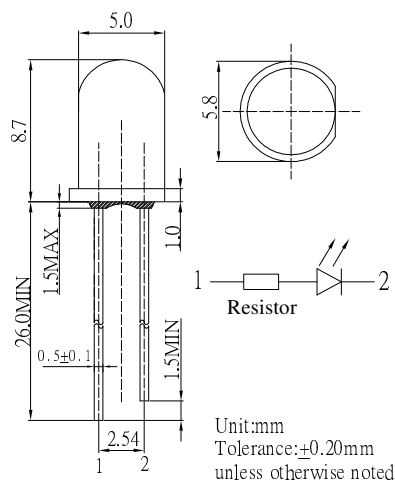
■ Features

- 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

- Status Indicators
- Other Lighting

■ Outline Dimension

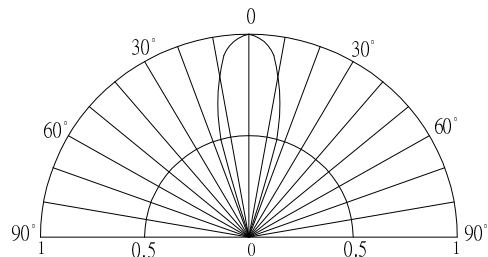


■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V_F	15	V
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	225	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*1	I_F	$V_F = 12V$	-	10	15	mA
DC Reverse Current	I_R	$V_F = 12V$	-	-	10	μA
Color Temperature*2	CCT	$I_F = 20mA$	8500	10000	18000	K
Chromaticity Coordinates*3	x	$V_F = 12V$	-	0.27	-	
	y	$V_F = 12V$	-	0.28	-	
Luminous Intensity*4	I_v	$V_F = 12V$	-	15000	-	mcd
50% Power Angle	$2\theta_{1/2}$	$V_F = 12V$	-	30	-	deg

*1 Tolerance of measurements of forward current is ±1mA

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

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

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