

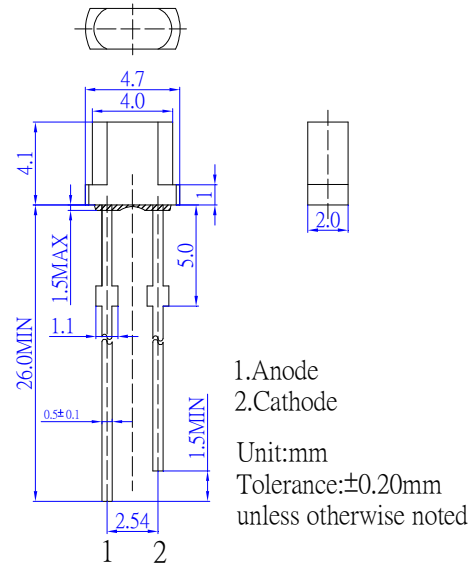
■ **Features**

- High Luminous LEDs
- 2\*4(4.7)\*4.1mm Flat Column Standard
- Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Color Transparent Type
- **Nichia: 50DS Serie**

■ **Applications**

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

■ **Outline Dimension**

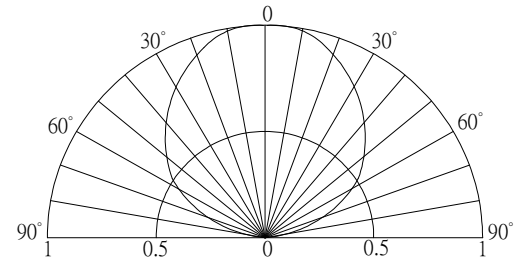


■ **Absolute Maximum Rating**

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I <sub>F</sub>	30	mA
Pulse Forward Current*	I <sub>FP</sub>	100	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	108	mW
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	Tstg	-40~ +100	°C
Lead Soldering Temperature	Tsol	260°C/5sec	-

■ **Directivity**



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

■ **Electrical -Optical Characteristics**

(Ta=25°C)

Part Number	Color		V <sub>F</sub> (V)			I <sub>R</sub> (μA)	I <sub>v</sub> (mcd)			CCT(K)			2θ1/2(deg)
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
			I <sub>F</sub> =20mA			V <sub>R</sub> =5V	I <sub>F</sub> =20mA						
OSW4DK69B1C	White	W	2.8	3.1	3.6	10	900	1120	-	5500-8500K(X:0.31,Y:0.33)			115
OSW44K69B 1C	White	W	2.7	2.9	3.6	10	1560	2180	-	5500-8500K(X:0.31,Y:0.33)			115
OSM5DK69B 1C	Warm White	M	2.8	3.1	3.6	10	500	750	-	2700-3200K(X:0.45,Y:0.41)			115
OSM54K69B 1C	Warm White	M	2.7	2.9	3.6	10	1120	1560	-	2700-3200K(X:0.45,Y:0.41)			115
OSM6DK69B 1C	Warm White	M	2.8	3.1	3.6	10	750	900	-	2900-3800K(X:0.41,Y:0.39)			115
OSM64K69B 1C	Warm White	M	2.7	2.9	3.6	10	1560	2180	-	2900-3800K(X:0.41,Y:0.39)			115

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

\*2 Tolerance of measurements of luminous intensity is ±15%

\*3 Tolerance of measurements of forward voltage is ±0.1V