

## SE-5OS-1518RC

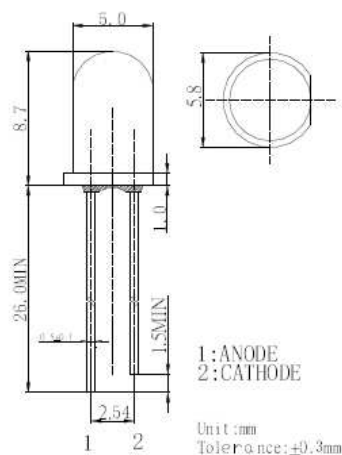
### ■Features

- High Luminous LEDs
- 5mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

### ■Applications

- Traffic signal, portable light source
- Signage and channel letter
- Decorating and entertainment lighting
- Architectural lighting
- Outdoor/Indoor applications

### ■Outline Dimension



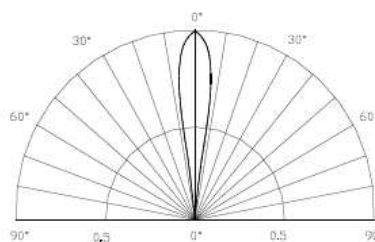
### ■Absolute Maximum Rating

( $T_a=25^{\circ}\text{C}$ )

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	70	mA
Pulse Forward Current*	$I_{FP}$	120	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	168	mW
Operating Temperature	$T_{opr}$	-30 ~ +85	$^{\circ}\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ +100	$^{\circ}\text{C}$
Lead Soldering Temperature	$T_{sol}$	260 $^{\circ}\text{C}$ / 5sec	-

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

### ■Directivity



### ■Electrical -Optical Characteristics

( $T_a=25^{\circ}\text{C}$ )

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$	$I_F=20\text{mA}$	1.8	2.0	2.4	V
DC Reverse Current	$I_R$	$V_R=5\text{V}$	-	-	10	$\mu\text{A}$
Dom. Wavelength	$\lambda_D$	$I_F=20\text{mA}$	620	625	630	nm
Luminous Intensity	$I_v$	$I_F=20\text{mA}$	14400	18000	22000	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	15	-	deg

### ■Maximum Forward DC Current

Maximum Permissible Forward Current  $T_s=115^{\circ}\text{C}$

