

5mm Normal Red LED

Order code: 55-1790 pack of 100

Order code: 55-1798 pack of 1000

MPN: OSNR5164A

Features:

- Red Diffused Type
- 5mm Standard directivity
- Superior weather-resistance

Applications

- Toys
- Games
- Audio
- Christmas Lights

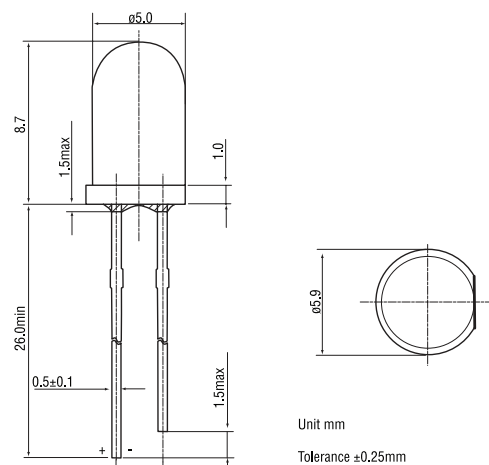


Absolute maximum rating (Ta=25 °C)

Item	Symbol	Value	Unit
DC forward current	I_F	15	mA
Pulse forward current*	I_{FP}	50	mA
Reverse voltage	V_R	5	V
Power dissipation	P_D	45	mW
Operating temperature	T_{opr}	-40 to +95	°C
Storage temperature	T_{stg}	-40 to +100	°C
Lead soldering temperature	T_{sol}	260 °C/5 sec	-

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

Outline dimensions:



Electrical – Optical characteristics (Ta=25 °C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward voltage *1	V_F	$I_F = 20\text{mA}$	-	2.2	2.8	V
DC Reverse current	I_R	$V_R = 5\text{V}$	-	-	30	μA
Domi. Wavelength *2	λ_D	$I_F = 20\text{mA}$	-	630	-	nm
Luminous intensity *3	I_V	$I_F = 20\text{mA}$	-	10	-	mcd
50% Power angle	$2\theta_{1/2}$	$I_F = 20\text{mA}$	-	60	-	deg

*1 Tolerance of measurements of forward voltage is ±0.1V
 *2 Tolerance of measurements of dominant wavelength is ±1nm
 *3 Tolerance of measurements of luminous intensity is ±15%

Directivity:

