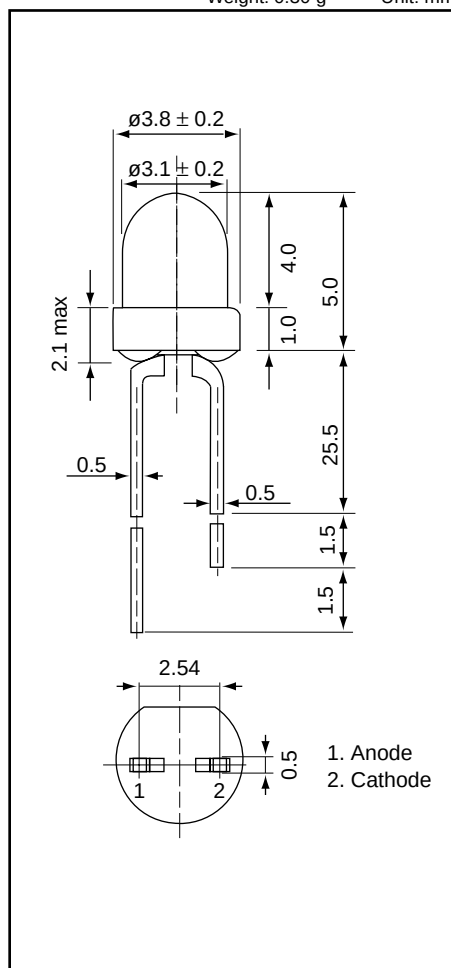




Weight: 0.30 g Unit: mm



AND123R

Standard LED

T-1 Package (3 mm)

Features

- Low power requirement
- Stand-off or flush-mount
- All plastic molded lens
- Color: GaP-Red

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

Part Number	Color		Lens Desc.	Axial Luminous Intensity (mcd)		Test Condition (I_F -mA)	Viewing Angle $2\theta_{1/2}$ (deg)
	LED	Lens		Min.	Typ.		
AND123R	Red	Red	Clear	5	12	10	50

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

Characteristics	Symbol	Rating	Unit
Forward Current (DC)	I_F	25	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	120	mW
Operating Temperature	T_{Opr}	-40 to +85	$^\circ\text{C}$
Storage Temperature Range	T_{Stg}	-40 to +85	$^\circ\text{C}$

Electro-Optical Characteristics ($T_a = 25^\circ\text{C}$)

Characteristics	Symbol	Test Condition	Red			Unit
			Min.	Typ.	Max.	
Forward Voltage	V_F	$I_F = 20\text{mA}$	—	2.0	2.5	V
Reverse Current	I_R	$V_R = 5\text{ V}$	—	—	10	μA
Peak Emission Wavelength	λ_p	$I_F = 15\text{mA}$	—	700	—	nm
Spectral Line Half Width	λ	$I_F = 15\text{mA}$	—	45	—	nm

Precaution

Please be careful of the following:

1. Soldering temperature: 260°C max; Soldering time: 3 sec. max; Soldering portion of lead: up to 2 mm from the body of the device.
2. The lead can be formed up to 5 mm from the body of the device without forming stress. Soldering should be performed after the lead forming.

