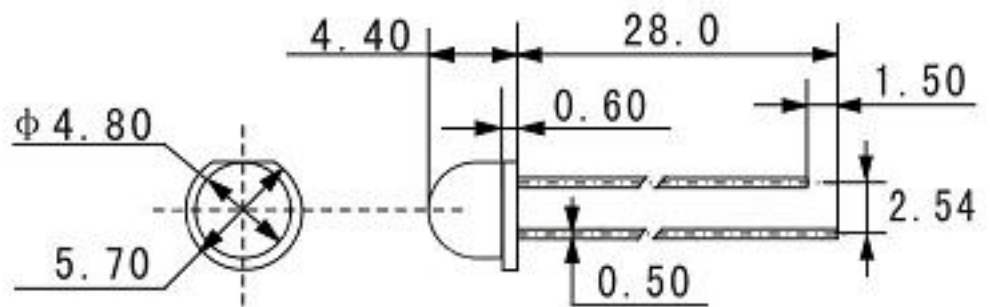


D5404O1SBIC DATA SHEET

- Encapsulated with water clear color package
- General purpose leads
- Reliable and rugged

Part Number	Chip Material	Lens Color	Source Color
D5404O1SBIC	GaAlInP	Water Clear	Orange

Dimension:



Unit: mm
Tolerance: ± 0.1

Notes:

1. All dimensions are in millimeters.
2. Tolerance ± 0.1 mm unless otherwise noted.
3. Protruded resin under flange is 1.0mm max.
4. Lead spacing is measured where the leads emerge from the package
5. Specifications are subject to change without notice.
6. This data-sheet only valid for six months.

Absolute Maximum Rating

Parameter	Maximum Rating	Unit
Peak Forward Current	100	mA
Continuous Forward Current	25	mA
Debating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-30°C to +85°C	
Storage Temperature Range	-30°C to +85°C	
Lead Soldering Temperature [4mm From Body]	260°C for 3 seconds	

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

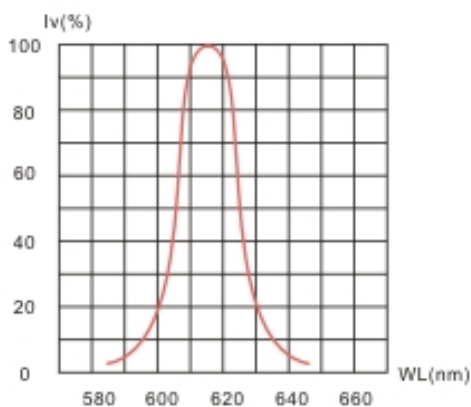
Parameter Radiant	Test Condition	Symbol	Min.	Max.	Unit
Forward Voltage	$I_f=20\text{mA}$	V_f	1.9	2.5	V
Reverse Current	$V_r=5\text{V}$	I_r	0	10	μA
Luminous Intensity	$I_f=20\text{mA}$	I_v	400	800	mcd
Wavelength	$I_f=20\text{mA}$	λ_D	610	620	nm
Half View Angle	$I_f=20\text{mA}$	$2\theta_{1/2}$	100	120	deg

Notes

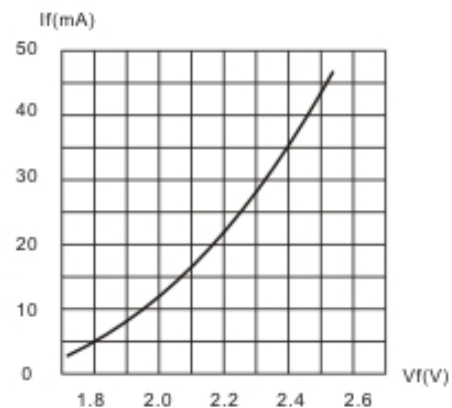
1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off axis angle at which the luminous intensity is half the axial luminous intensity.
3. The dominant wavelength (λ_D) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

Typical /electrical/ optical characteristics Curves ($T_a=25^\circ\text{C}$)

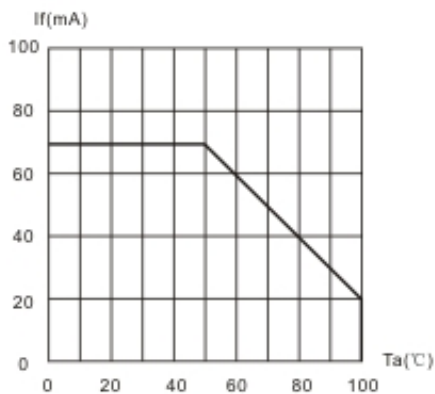
Relative Luminous Intensity vs. Wavelength



Forward characters vs. Forward voltage



Forward characters vs. Temperature



Beam Pattern

