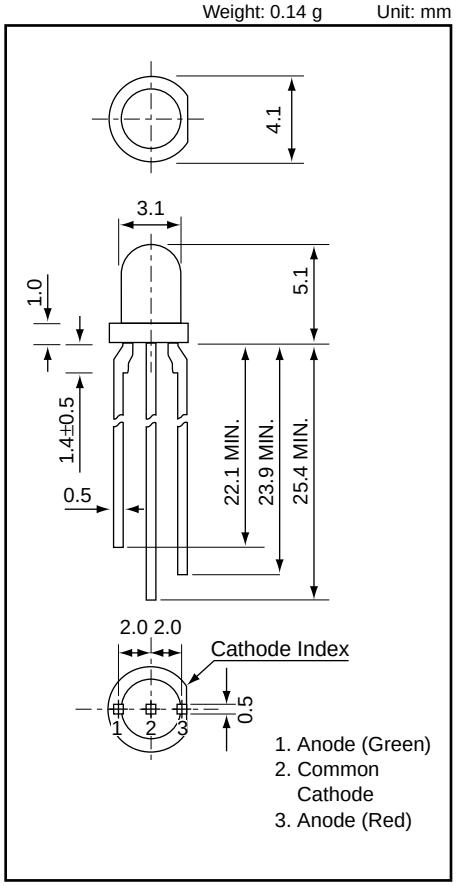
Weight: 0.14 g Unit: mm



AND126SG

Dual Color

T-1 (3mm)

Features

- Dual color: Red (GaAsP) / Green (GaP)
- Common cathode
- All plastic mold type, milky diffused lens
- Low drive current: 10 to 15 mA
- Fast response time, capable of pulse operation

Optical Characteristics (T_a = 25°C)

Color		Lens Desc.	Axial Luminous Intensity (mcd)		Test Condition (I_F–mA)	Viewing Angle 2θ1/2 (deg)
LED	Lens		Min.	Typ.		
Red	Milky	Diffused	12	14	20	60
Green	Milky	Diffused	12	14	20	60

Absolute Maximum Ratings (T_a = 25°C)

Characteristics	Symbol	Rating		Unit
		Red	Green	
Forward Current	I_F	30	30	mA
Reverse Voltage	V_R	4	4	V
Power Dissipation	P_D	75	75	mW
Operating Temperature	T_{Opr}	-25 to +75		°C
Storage Temperature Range	T_{Stg}	-25 to +100		°C

Electro-Optical Characteristics (T_a = 25°C)

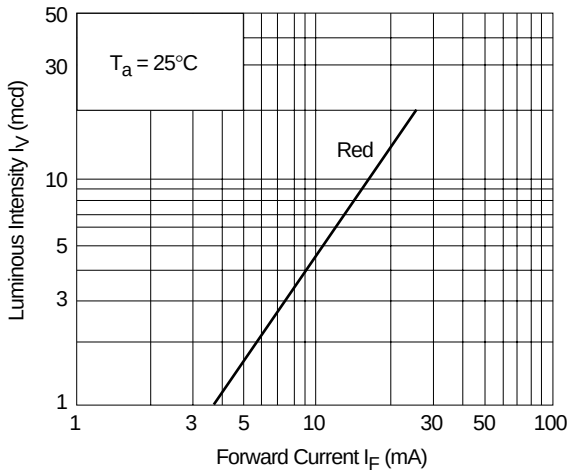
Characteristics	Symbol	Test Condition	Red		Green		Unit
			Typ.	Max.	Typ.	Max.	
Forward Voltage	V_F	I_F = 20mA	2.0	3.0	2.1	3.0	V
Reverse Current	I_R	V_R = 4 V	–	100	–	100	μA
Peak Emission Wavelength	λp	I_F = 20mA	635	–	565	–	nm
Spectral Line Half Width	λ	I_F = 20mA	40	–	25	–	nm

Precaution

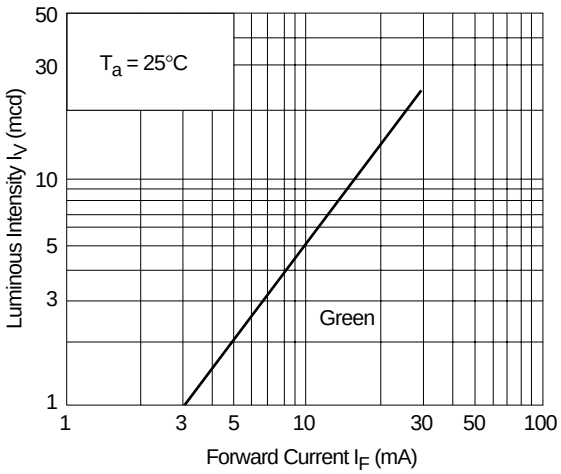
Please be careful of the following:

1. Soldering temperature: 260°C max; Soldering time: 5 sec. max; Soldering portion of lead: up to 1.6 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.

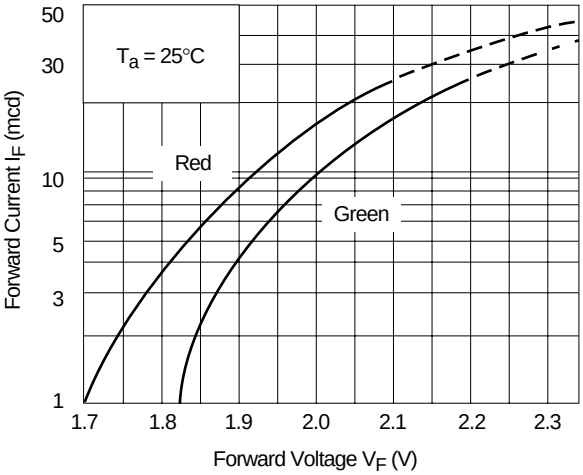
$I_V - I_F$



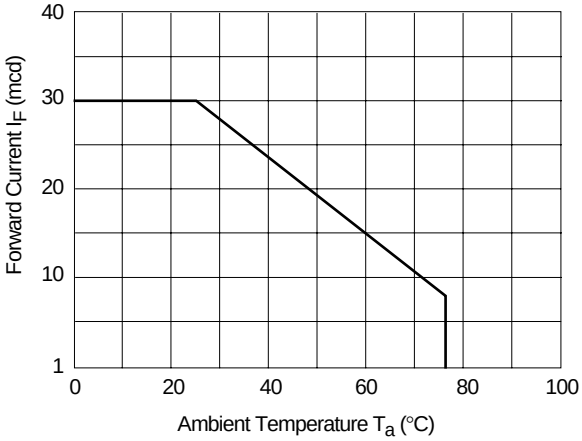
$I_V - I_F$



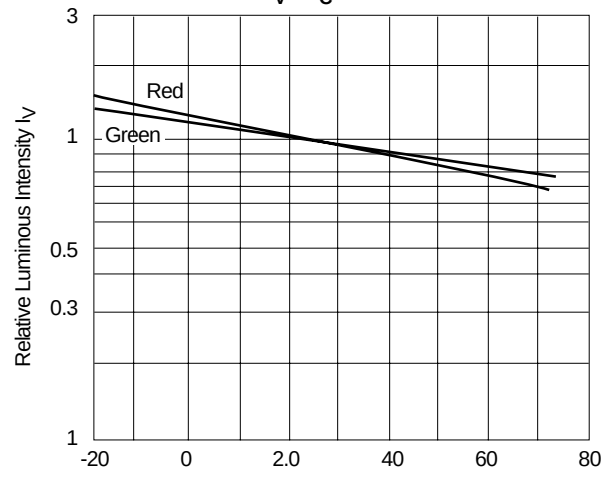
$I_F - V_F$



$I_F - T_a$



$I_V - T_C$



Relative Luminous Intensity – Wavelength