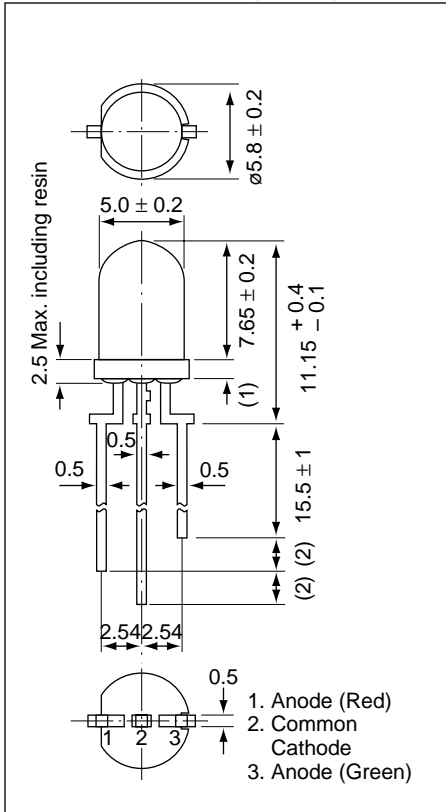




Weight: 0.35 g Unit: mm



# AND116SG

## Dual Color T-1 3/4 (5mm)

### Features

- Dual color: Red (GaAsP) / Green (GaP)
- Common cathode
- All plastic mold type, milky diffused lens
- Low drive current: 15 to 20 mA
- Fast response time, capable of pulse operation

### Optical Characteristics (T = 25°C)

Color		Lens Desc.	Axial Luminous Intensity (mcd)		Test Condition (I <sub>F</sub> -mA)	Viewing Angle 2θ1/2 (deg)
LED	Lens		Min.	Typ.		
Red	Milky	Diffused	1.5	7.0	15	80
Green	Milky	Diffused	1.5	5.0	15	80

### Absolute Maximum Ratings (T<sub>A</sub> = 25°C)

Characteristics	Symbol	Rating		Unit
		Red	Green	
Forward Current	I <sub>F</sub>	25	25	mA
Reverse Voltage	V <sub>R</sub>	4	4	V
Power Dissipation	P <sub>D</sub>	75	75	Total Package
Operating Temperature	T <sub>Opr</sub>	-20 to +75		°C
Storage Temperature Range	T <sub>Stg</sub>	-30 to +100		°C

### Electro-Optical Characteristics (T<sub>A</sub> = 25°C)

Characteristics	Symbol	Test Condition	Red		Green		Unit
			Typ.	Max.	Typ.	Max.	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 20mA	2.1	2.8	2.1	2.8	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 4 V	–	100	–	100	μA
Peak Emission Wavelength	λ <sub>p</sub>	I <sub>F</sub> = 20mA	635	–	565	–	nm
Spectral Line Half Width	λ	I <sub>F</sub> = 20mA	40	–	25	–	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.

### Dual Color

