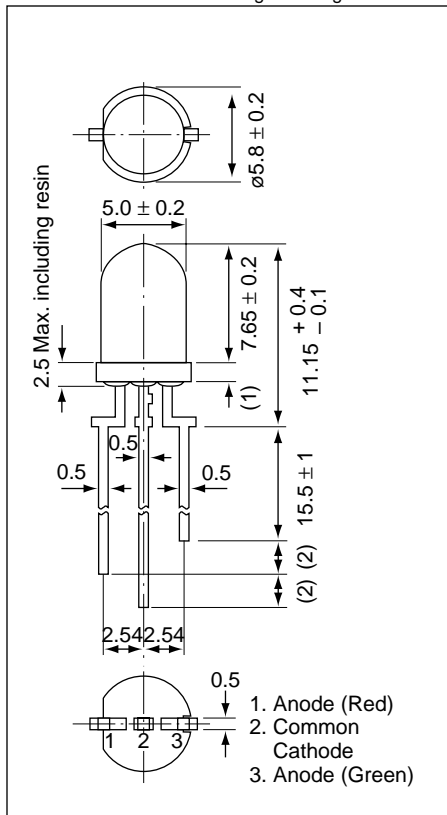




Weight: 0.35 g Unit: mm



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 _F =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_A = 25°C)

Characteristics	Symbol	Rating		Unit
		Red	Green	
Forward Current	I _F	25	25	mA
Reverse Voltage	V _R	4	4	V
Power Dissipation	P _D	75	75	Total Package
Operating Temperature	T _{Opr}	-20 to +75		°C
Storage Temperature Range	T _{Stg}	-30 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	2.1	2.8	2.1	2.8	V
Reverse Current	I _R	V _R = 4 V	—	100	—	100	μA
Peak Emission Wavelength	λ _p	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: 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.

