

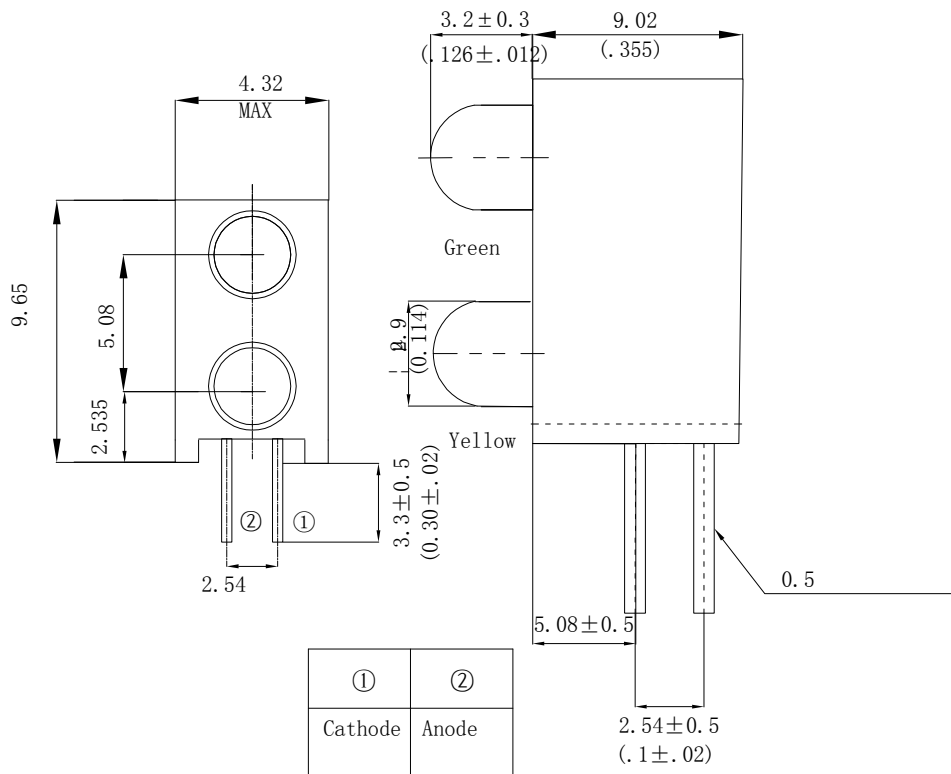
**Features**

- 3mm Round Type LED Assembly
- Low Power Consumption
- High Efficiency
- Various Colors and Viewing Angle
- Long Solid State Reliability
- Package: 1000pcs/Packing

**Applications**

- Indicator

**Package Dimensions**



**Notes:**

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.2\text{mm}$  (.0079") unless otherwise noted.
3. Specifications are subject to change without notice
4. This drawing is only for indication, not as a basis for the actual structure.



**Selection Guide**

Part No	LensType	Dice	Emitted Color
FDA-35111G1Y-ZGYD1-D3.5	Green Diffused Yellow Diffused	-	Green Yellow

**Electrical / Optical Characteristics At Ta=25°C**

Symbol	Parameter	Color	Min.	Typ.	Max.	Unit	Test Condition
Iv	Luminous Intensity	Green Yellow	16 10	40 45		mcd	IF=20mA
2θ1/2	Viewing Angle	Green Yellow		40		deg	IF=20mA
λ Peak	Peak Emission Wavelength	Green Yellow		565 590		nm	IF=20mA
λ d	Dominant Wavelength	Green Yellow		569 588		nm	IF=20mA
Δλ	Spectral Line Half-Width	Green Yellow		30 35		nm	IF=20mA
VF	Forward Voltage	Green Yellow		2.2 2.1	2.5 2.5	V	IF=20mA
IR	Reverse Current	Green Yellow			100	uA	VR 5V

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 optical centerline value

**Absolute Maximum Ratings At Ta=25°C**

Parameter	Green	Yellow	Unit
Power Dissipation	65	60	mW
Peak Forward Current[1]	120	80	mA
Continuous Forward Current	30	20	mA
Operating Temperature Range	-55°C to + 100°C		
Storage Temperature Range	-55°C to + 100°C		
Soldering Condition	260°C For 5 Seconds		

Note:

1. 1/10DutyCycle, 0.1msPulseWidth

**Electrical Optical Characteristics Curves At Ta=25°C**

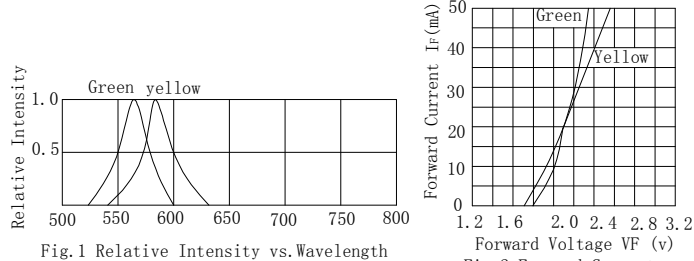


Fig.1 Relative Intensity vs. Wavelength

Fig.2 Forward Current vs. Forward Voltage

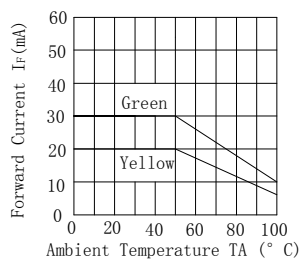


Fig.3 Forward Current Derating Curve

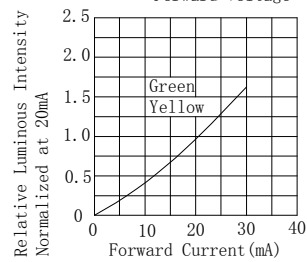


Fig.4 Relative Luminous Intensity vs. Forward Current

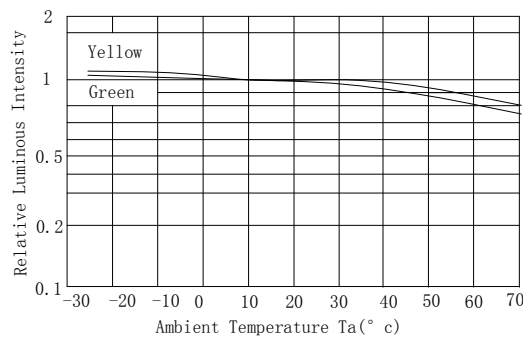


Fig.5 Luminous Intensity vs. Ambient Temperature

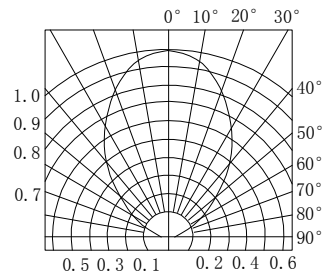
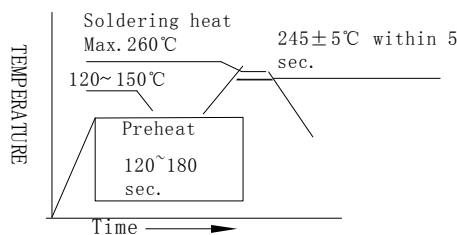


Fig.6 Spatial Distribution

**Reflow Soldering Instructions**



Notes:

1. The LEDs should be used within a year.
2. The LEDs should be kept in 5~30°C and 60% RH for less.
3. The LEDs should be used within 24 hours, or else should be kept a 5~30°C and 30% RH or less. And LEDs should be used within 7 days after opening the package.