

VISIBLE LIGHT PRODUCTS

RoHS
Conformity

(Light Emitting Diode)

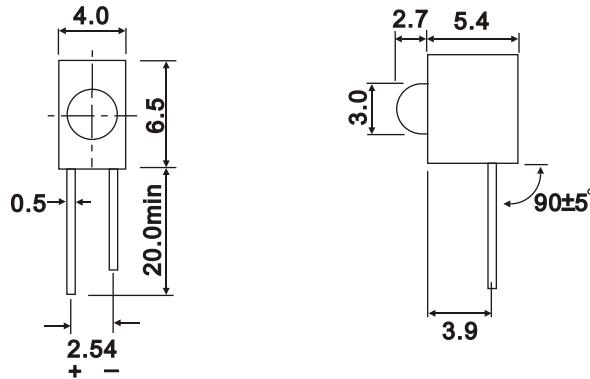
REV:C
DATE:2006/5/25

DEVICE NO:H16/1G-14 (Yellow-Green)

LENS COLOR:

| | | | | | | | |
|-------------------------------------|-------------------|--------------------------|---------------------|--------------------------|-----------------|--------------------------|-------------|
| <input checked="" type="checkbox"/> | colored diffusion | <input type="checkbox"/> | colored transparent | <input type="checkbox"/> | white diffusion | <input type="checkbox"/> | water clear |
|-------------------------------------|-------------------|--------------------------|---------------------|--------------------------|-----------------|--------------------------|-------------|

PACKAGE DIMENSIONS:



NOTE:
 1.All dimensions are in millimeter.
 2.Lead spacing is measured where the lead emerge from the package.
 3.protruded resin under flange is 1.5mm max.
 4.specifications are subject to change without notice.
 5.Tolerance is 0.3mm unless otherwise noted.

ABSOLUTE MAXIMUM RATINGS:

Material: GaP/GaP

TA=25°C

| PARAMETER | SYMBOL | MAX. RATING | UNIT |
|---|--------|-------------|------|
| Power Dissipation | Pd | 84 | mW |
| Continuous Forward Current | IF | 25 | mA |
| Peak Forward Current *1 | IFM | 50 | mA |
| Reverse Voltage | VR | 5 | V |
| LED Junction Temperature | Tj | 100 | °C |
| Operating Temperature | Topr | -25 ~ +85 | °C |
| Storage Temperature | Tstg | -40 ~ +100 | °C |
| Dip Soldering Temperature (3mm from case Bottom 260 °C for 5 seconds) | | | |

ELECTRIC-OPTICAL CHARACTERISTICS:

TA=25°C

| PARAMETER | SYMBOL | TEST CONDITION | MIN | TYP | MAX | UNIT |
|------------------------------|---------|----------------|-----|------|------|--------|
| View Angle of Half Power | 2θ1/2 | IF=20mA | | 60 | | Degree |
| Forward Voltage | VF | IF=20mA | | 2.15 | 2.80 | V |
| Reverse Current | IR | VR=5V | | | 10 | uA |
| Luminous Intensity *2 | IV | IF=20mA | 20 | 40 | | mcd |
| Peak Emission Wavelength | λp | IF=20mA | | 570 | | nm |
| Dominate Wave Length *3 | λd(HUE) | IF=20mA | | 567 | | nm |
| Spectrum Width of Half Valve | Δλ | IF=20mA | | 30 | | nm |
| Terminal Capacitance | Ct | V=0V F=1MHz | | 7 | | pF |
| Response Frequency | Fc | ----- | | 4 | | MHz |

*1.Duty Ratio=1/10,Pulse Width=0.1ms.

*2.Tolerance:30% HUEY-JANN measuring equipment :1.EXELTRON 2001. 2.S370 made by U.D.T.

*3.The dominate wavelength ,λd, is derived from the CIE Chromaticity Diagram and represents the color of the device.