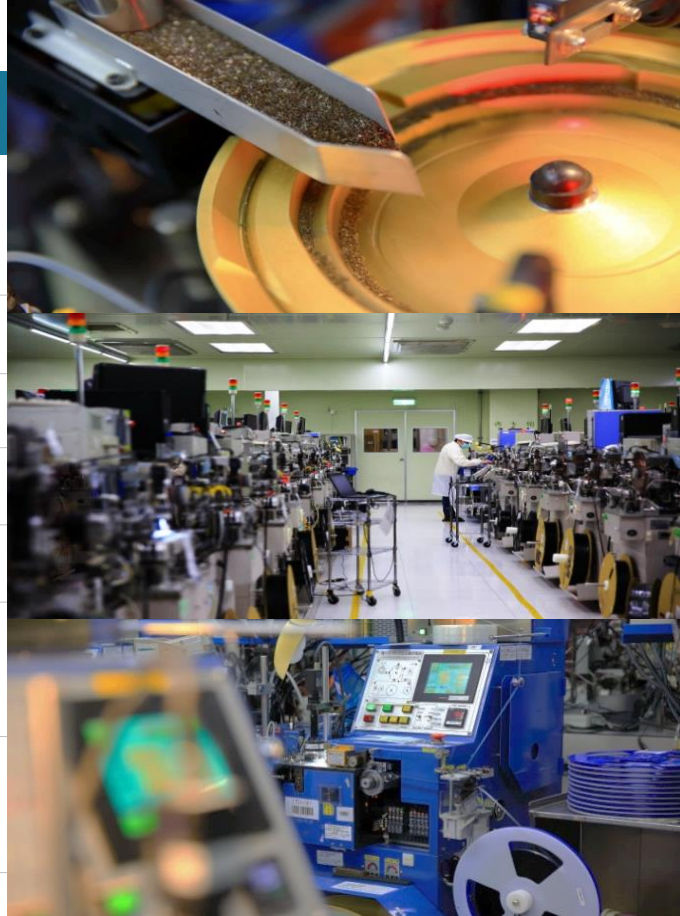


HARVATEK
Infrared Water Faucet

THE GLOBAL
TECHNOLOGY
LEADER
SMD LED

Company Portfolio

Founded	Mar. 1995
Headquarters	Hsin-Chu, Taiwan
Capital	USD 70 Million (NTD 2 Billion)
Public Listed	Mar. 2002
Employees	650 Worldwide
Factories	Hsiang-Shan, Hsin-Chu (Taiwan) Hsin-Chu Science Park, Hsin-Chu (Taiwan)
Certification	ISO:9001, ISO:14001, TS16949, OHSAS:18001 RoHs. REACH



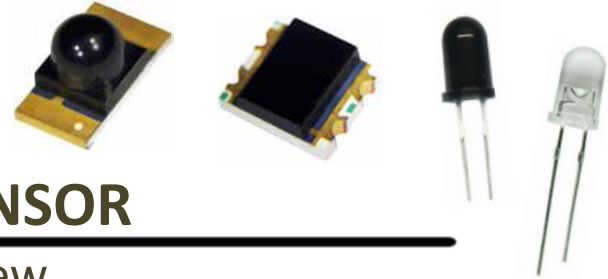
Touchless Faucet



IR SENSOR

Top View

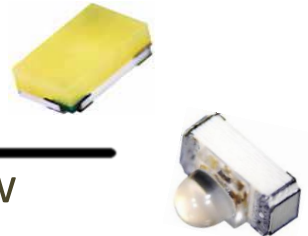
0603/0806/1206 / Lamp



Indicator

Top View / Side View

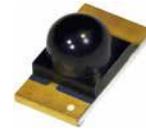
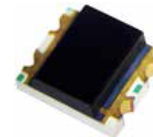
0603/0806/1206 / Lamp



Touchless Faucet



7-Segment



IR SENSOR

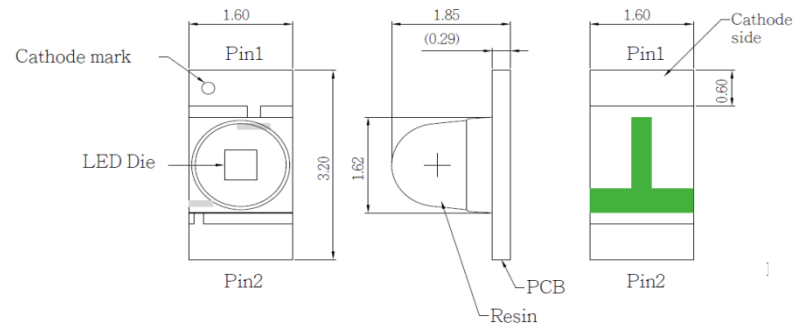
Top View / Side view/Lamp

SMD Type Top View

1206 3.2*1.6*1.85mm

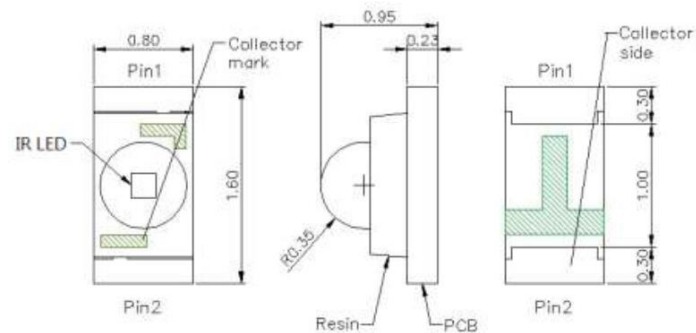
20° B15U1 Series

30° B15V1 / B15W1 Series



0603 1.6*0.8*0.95mm

60° B18W1 Series

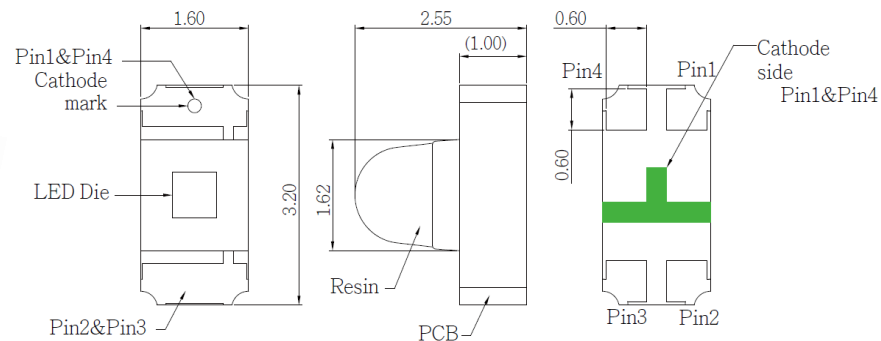


SMD Type Top View

1210 3.2 * 2.55 * 1.6 mm

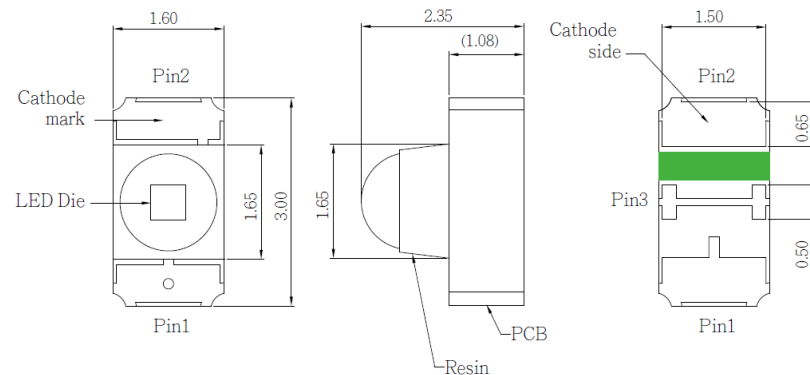
20° B2591 / B2581 Series

30° B2571 Series



1109 3.0 * 2.35 * 1.6 mm

60° B4301 Series



3mm Round IR LED Lamp

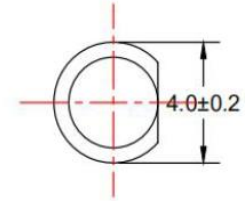
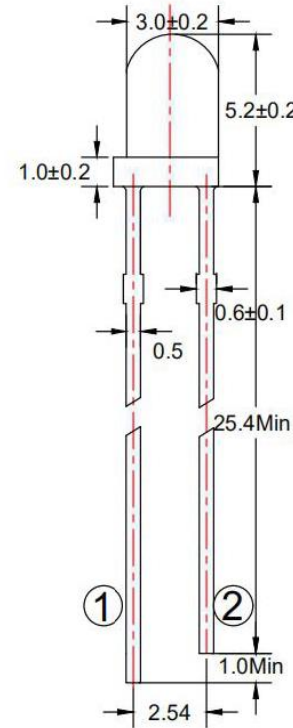
3Ø IR Emitter HV-94I2004C-L51-E0000



I_e *IF=50 mA	Min. 15 mW/sr Typ. 28 mW/sr
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Peak Wavelength	Typ. 940 nm
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Forward Voltage	Typ. 1.2V Max. 1.5V
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① Anode
② Cathode

3mm Round Photo Diode

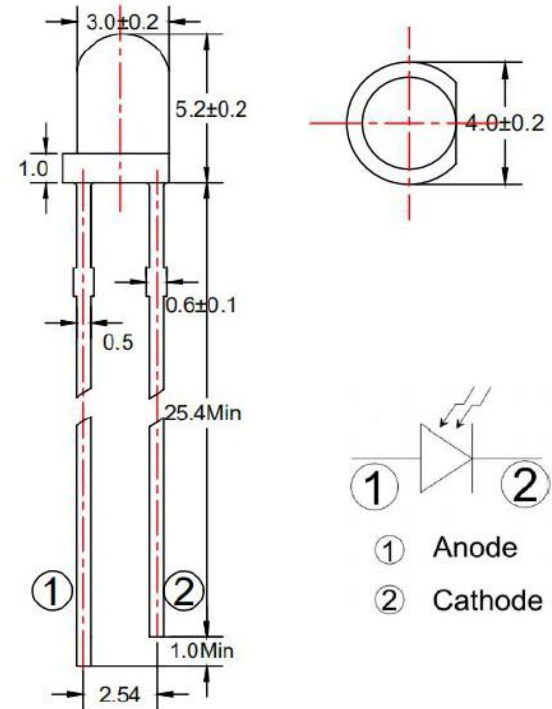
3Ø PD Receiver HV-1202004B-L50-E0000



IL
*Ee=1mw/cm2
λp=940nm VR=5V
Min. 10 μA
Typ. 15 μA

Wavelength Of Peak
sensitivity
Typ. 940 nm

Rise Time
Fall Time
(VR=10V
λp=940nm RL=100Ω)
Typ. 45 nS
Typ. 45 nS



Harvatek Strengths



ODM/OEM Experience with First-Tier LED Manufacturers

- Quality
- Cooperation



Research & Development Based on 20-year SMD manufacturing Experience in the Field.

- Fast R&D
- Flexibility
- Technical Support

Q & A

