



CONTACT US

PARA LIGHT CORP. USA

🏠 515 Spanish Lane, Suite B, Walnut, CA 91789

✉️ sales@paralightusa.com

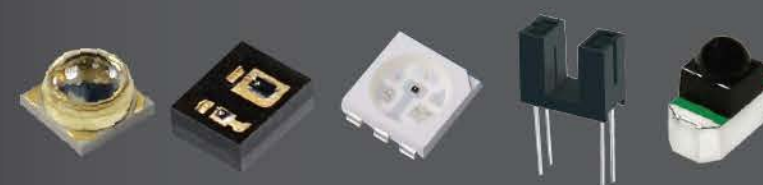
☎️ T+909-468-4866 F+909-468-4876

🌐 www.paralightusa.com

2022

Infrared LED

| Component



Chairman Mr. David Ma
Established in 1987
Capital USD 37million
No. of Employee 1028

Founded in 1987, PARA LIGHT is now a global innovator and leader in visible and invisible LED fields. With two manufacturing plants certified with ISO 14001, ISO 9001, TS16969, and also complies with REACH and RoHS.

We offer advanced and beyond expectation R&D services based on the strongest lineup ever of 1,028 employees located in different countries and cities that includes more than 70 professional engineers, and 80 Quality Assurance squad.

About the product category, from the elementary LED component to further appliance such as UV sensor, LED back light, integrated light module, commercial lighting, automotive lighting and any lighting solution, PARA LIGHT keeps growing and expanding the products diversity in response to the global industry or market trend.

EMITTER



3 mm	06-07
5 mm	08-11
PLCC Series	12-13
SMD Series	14-15
High Power Series	16-17

PHOTODIODE



Photodiode	19-20
------------	-------

PHOTOTRANSISTOR



Phototransistor	23-25
-----------------	-------

TRANSMITTER and RECEIVER



Transmitter and Receiver

26-27

OPTICAL SWITCH



Transmissive Series

29-30

OPTICAL SENSOR



Ambient Light Sensor

32-33

TWS Proximity Sensor

34-35

Pulse Sensor

36-37

Pulse Oximeter Sensor

38-39

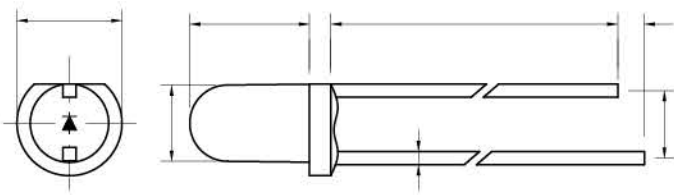
Emitter-Through hole Series

- Remote Controller - IP-Camera - CCTV



L31XXIR4X 850 nm

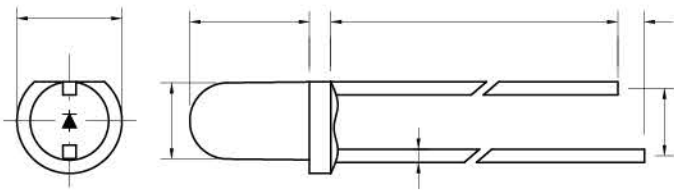
Outline Dimensions 3 mm



Part No.	Wavelength λ_d (nm)	Viewing Angle (deg.)	Radiation Intensity I_e (mW/sr)		Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
			Min.	Typ.		
L314EIR4C	850 nm	20	8	20	1.4@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L316EIR4C	850 nm	30	8	15	1.3@ $I_f=20$ mA 1.6@ $I_f=100$ mA	20
L318EIR4C	850 nm	40	8	20	1.4@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L319EIR4C	850 nm	20	8	18	1.4@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L31AEIR4C	850 nm	50	5	10	1.4@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20

L31XXIR1X 940 nm

Outline Dimensions 3 mm



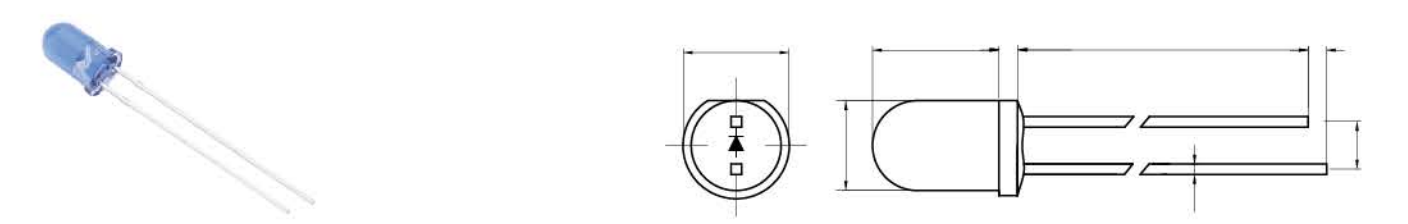
Part No.	Wavelength λ_d (nm)	Viewing Angle (deg.)	Radiation Intensity I_e (mW/sr)		Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
			Min.	Typ.		
L314EIR1C	940 nm	20	6	12	1.3@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L316EIR1C	940 nm	30	4	15	1.3@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L318EIR1C	940 nm	40	6	18	1.3@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L314EIR1BC	940 nm	20	15	22	1.2@ $I_f=20$ mA 1.4@ $I_f=100$ mA	20
L316EIR1BC	940 nm	30	15	20	1.3@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L318EIR1BC	940 nm	40	4	8	1.3@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20

L51XXIR1X

940 nm

Outline Dimensions

5 mm



Part No.	Wavelength λ_d (nm)	Viewing Angle (deg.)	Radiation Intensity I_e (mW/sr)		Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
			Min.	Typ.		
L514EIR1C	940 nm	20	15	28	1.2@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L516EIR1C	940 nm	30	8	22	1.3@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L518EIR1C	940 nm	40	4	12	1.2@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L51CEIR1C	940 nm	60	4	8	1.2@ $I_f=20$ mA 1.4@ $I_f=100$ mA	20
L514EIR1BC	940 nm	20	15	30	1.3@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L516EIR1BC	940 nm	30	10	20	1.2@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L518EIR1BC	940 nm	40	8	18	1.3@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L51AEIR1BC	940 nm	50	4	12	1.3@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20

L51XXIR3X

865 nm

Outline Dimensions

5 mm

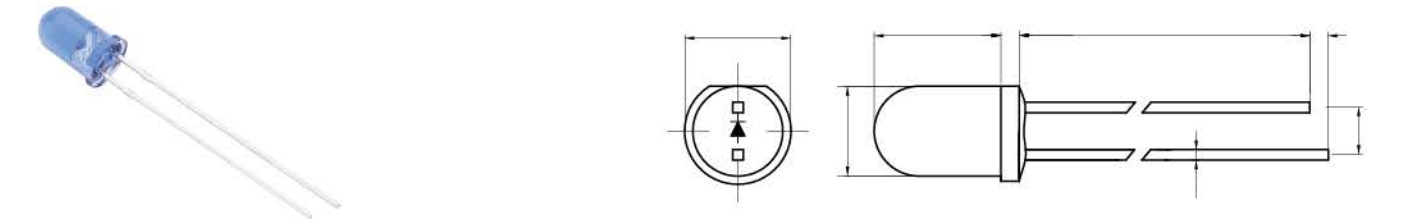
Part No.	Wavelength λ_d (nm)	Viewing Angle (deg.)	Radiation Intensity I_e (mW/sr)		Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
			Min.	Typ.		
L514EIR3C	865 nm	20	30	50	1.4@ $I_f=20$ mA 1.6@ $I_f=100$ mA	20
L516EIR3C	865 nm	30	12	30	1.4@ $I_f=20$ mA 1.6@ $I_f=100$ mA	20
L518EIR3C	865 nm	40	10	22	1.4@ $I_f=20$ mA 1.6@ $I_f=100$ mA	20
L51AEIR3C	865 nm	50	10	20	1.4@ $I_f=20$ mA 1.6@ $I_f=100$ mA	20
L514EIR3BC	865 nm	20	25	45	1.4@ $I_f=20$ mA 1.6@ $I_f=100$ mA	20
L516EIR3BC	865 nm	30	12	25	1.4@ $I_f=20$ mA 1.6@ $I_f=100$ mA	20
L518EIR3BC	865 nm	40	10	20	1.4@ $I_f=20$ mA 1.6@ $I_f=100$ mA	20
L51AEIR3BC	865 nm	50	10	18	1.4@ $I_f=20$ mA 1.6@ $I_f=100$ mA	20

L51XGIR4XX

850 nm

Outline Dimensions

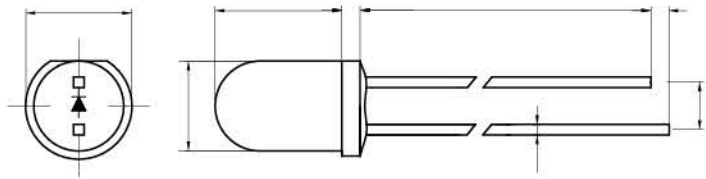
5 mm



Part No.	Wavelength λ_d (nm)	Viewing Angle (deg.)	Radiation Intensity I_e (mW/sr)		Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
			Min.	Typ.		
L514GIR4C	850 nm	20	110	160	1.4@ $I_f=20$ mA 1.5@ $I_f=100$ mA	100
L516GIR4C	850 nm	30	30	70	1.5@ $I_f=20$ mA 1.6@ $I_f=100$ mA	100
L518GIR4C	850 nm	40	68	85	1.4@ $I_f=20$ mA 1.5@ $I_f=100$ mA	100
L51AGIR4C	850 nm	50	24	40	1.4@ $I_f=20$ mA 1.5@ $I_f=100$ mA	100

L51XXIR2X 880 nm

Outline Dimensions 5 mm



Part No.	Wavelength λ_d (nm)	Viewing Angle (deg.)	Radiation Intensity I_e (mW/sr)		Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
			Min.	Typ.		
L514EIR2C	880 nm	20	12	28	1.3@ $I_f=20\text{mA}$ 1.6@ $I_f=100\text{mA}$	20
L516EIR2C	880 nm	30	2	7	1.3@ $I_f=20\text{mA}$ 1.6@ $I_f=100\text{mA}$	20
L518EIR2C	880 nm	40	20	21	1.3@ $I_f=20\text{mA}$ 1.6@ $I_f=100\text{mA}$	20
L51AEIR2C	880 nm	50	4	10	1.3@ $I_f=20\text{mA}$ 1.6@ $I_f=100\text{mA}$	20
L514EIR2BC	880 nm	20	15	30	1.3@ $I_f=20\text{mA}$ 1.6@ $I_f=100\text{mA}$	20

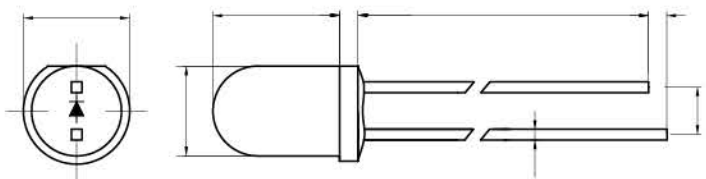
L51XXIR4X 850 nm

Outline Dimensions 5 mm

Part No.	Wavelength λ_d (nm)	Viewing Angle (deg.)	Radiation Intensity I_e (mW/sr)		Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
			Min.	Typ.		
L514EIR4C	850 nm	20	25	45	1.6@ $I_f=20\text{mA}$ 1.7@ $I_f=100\text{mA}$	20
L516EIR4C	850 nm	30	21	33	1.6@ $I_f=20\text{mA}$ 1.7@ $I_f=100\text{mA}$	20
L518EIR4C	850 nm	40	10	20	1.4@ $I_f=20\text{mA}$ 1.5@ $I_f=100\text{mA}$	20
L51AEIR4C	850 nm	50	12	25	1.6@ $I_f=20\text{mA}$ 1.7@ $I_f=100\text{mA}$	20
L51CEIR4C	850 nm	60	10	20	1.4@ $I_f=20\text{mA}$ 1.6@ $I_f=100\text{mA}$	20
L514EIR4BC	850 nm	20	56	65	1.4@ $I_f=20\text{mA}$ 1.5@ $I_f=100\text{mA}$	20
L516EIR4BC	850 nm	30	32	40	1.4@ $I_f=20\text{mA}$ 1.5@ $I_f=100\text{mA}$	20
L518EIR4BC	850 nm	40	28	35	1.4@ $I_f=20\text{mA}$ 1.5@ $I_f=100\text{mA}$	20
L51AEIR4BC	850 nm	50	10	25	1.4@ $I_f=20\text{mA}$ 1.5@ $I_f=100\text{mA}$	20

L5PGEIRXX 850 nm / 940 nm

Outline Dimensions 5 mm



Part No.	Wavelength λ_d (nm)	Viewing Angle (deg.)	Radiation Intensity I_e (mW/sr)		Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
			Min.	Typ.		
L5PGEIR4C	850 nm	55	4	8	1.2	20
L5PGEIR1C	940 nm	80	2	4	1.2	20



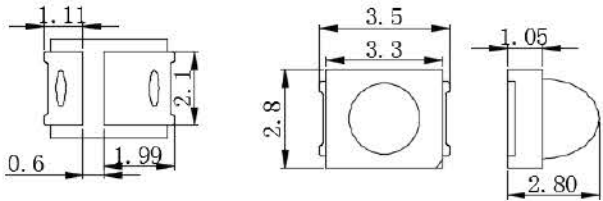
Emitter-PLCC Series

- IP-Camara - CCTV - Drowsy Driver Detection - Iris Recognition - Face Recognition
- AR / VR / Gesture Recognition / VCSEL 3D Sensing (TOF) - Vein Stria Recognition



LT2835 850 nm

Outline Dimensions 2.8x3.5x2.42 mm



Part No.	Wavelength λ_d (nm)	Lens Type	Viewing Angle (deg.)	Typ. Radiation Intensity I_e (mW/sr)	Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
LT2835IR4CT-30	850 nm	Water Clear	30	80~140	1.2~1.7	150
LT2835IR4CT-60	850 nm	Water Clear	60	80~140	1.2~1.7	150
LT2835IR4CT-90	850 nm	Water Clear	90	60~100	1.2~1.7	150



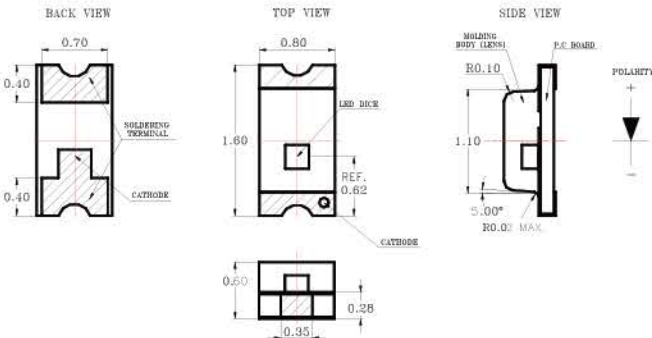
Emitter-SMD Series

- IP-Camara
- CCTV
- Drowsy Driver Detection
- Iris Recognition
- Face Recognition
- AR / VR / Gesture Recognition / VCSEL 3D Sensing (TOF)
- Vein Stria Recognition



LC191 940 nm

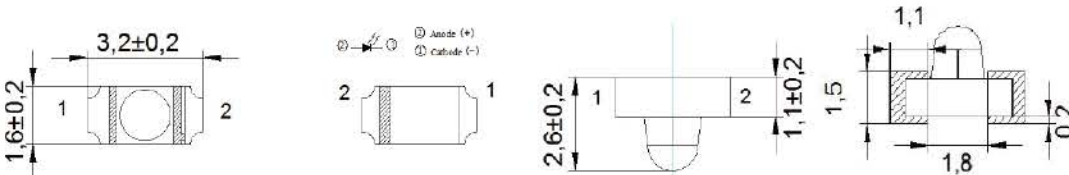
Outline Dimensions 1.6x0.7x0.6 mm



Part No.	Package	Reverse Light Current (IL)	Wavelength(nm)	Viewing Angle(°)
LC191IR1CT	SMD	10	940 nm	130

LC191 940 nm

Outline Dimensions 3.2x1.6x2.6 mm



Part No.	Package	Reverse Light Current (IL)	Wavelength(nm)	Viewing Angle(°)
LS156AIR1C-HD	SMD	10	940 nm	30

Emitter-High Power Series



- Drowsy Driver Detection
- Iris Recognition
- Face Recognition
- AR / VR / Gesture Recognition / VCSEL 3D Sensing (TOF)
- Vein Stria Recognition

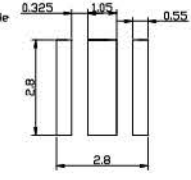
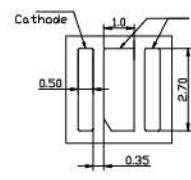
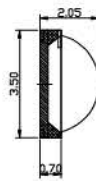
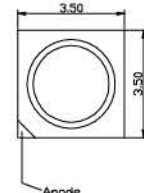



LT3535

850 nm / 940 nm

Outline Dimensions 3.5x3.5x2.05 mm



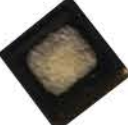
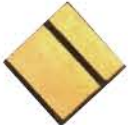


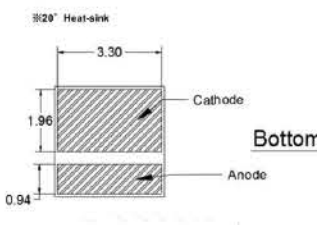
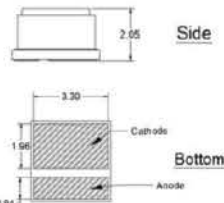
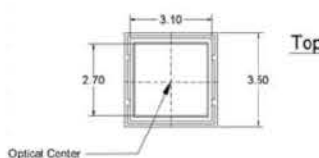
Part No.	test condition (IF)	Radiant Intensity(mW)	Wavelength(nm)	Viewing Angle(°)
LT3535IR4CT-N-P-E-B	350 mA	250 mW	850 nm	120
LT3535IR4CT-N-Y-E-B	350 mA	240 mW	850 nm	150
LT3535IR4CT-R-P-E-B	350 mA	195 mW	850 nm	120
LT3535IR4CT-R-Y-E-B	1000 mA	145 mW	850 nm	150
LT3535IR4CT-U-P-E-B	1000 mA	175 mW	850 nm	120
LT3535IR4CT-U-Y-E-B	1000 mA	165 mW	850 nm	150
LT3535IR1CT-N-Y-E-B	350 mA	40 mW	940 nm	150

LT3535

850 nm / 940 nm

Outline Dimensions 3.5x3.5x2.05 mm





Part No.	test condition (IF)	Radiant Intensity(mW)	Wavelength(nm)	Viewing Angle(°)
LT3535IR1CT-55-72-1W-ZGY	1.25 mA	1000 mW	940 nm	55 / 72
LT3535IR1CT-55-72-2W-ZGY	2.5 mA	2000 mW	940 nm	55 / 72



Vein Stria Recognition

Drowsy Driver Detection

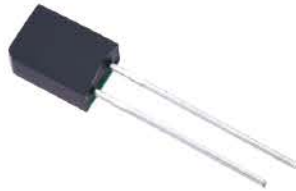


Photodiode

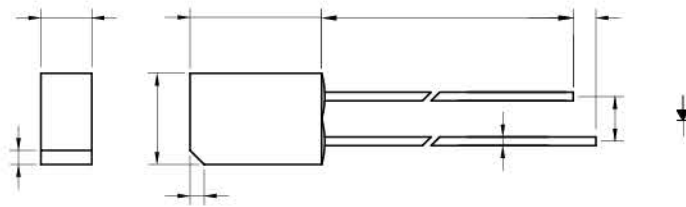
- Smoking Detector - Detecting Object



LSB1R9PD1X



Outline Dimensions 5 mm

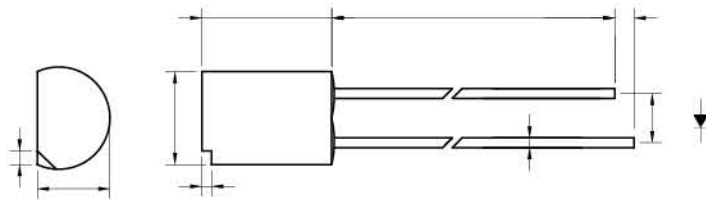


Part No.	Max. Reverse Dark Current I_D (nA) @ $V_R=10V$; $E_e=0\text{ mW/cm}^2$	Min. Reverse Voltage $V(BR)R$ (V) @ $I_R=100\mu A$; $E_e=0\text{ mW/cm}^2$	Typ. Open Circuit Voltage V_{OC} (V) @ $E_e=5\text{ mW/cm}^2$	Typ. Light Current I_L (μA) @ $V_R=5V$; $E_e=5\text{ mW/cm}^2$	Total Capacitance C_T (PF) @ $f=1\text{ mhz}$; $V_R=5V$; $E_e=0\text{ mW/cm}^2$	Spectral Sensitivity Wavelength λ_p (nm)		
						Min.	Typ.	Max.
LSB1R9PD1C	30	33	390	40	18	400		1050
LSB1R9PD1D1	30	33	390	40	18	900	940	
LSB1R9PD1D2	30	33	390	40	18	800	870	

LSC1R9PD1X



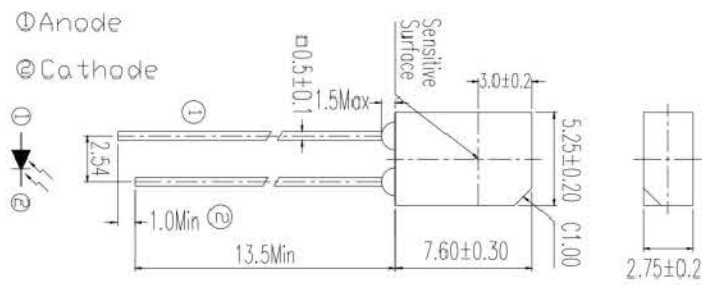
Outline Dimensions 4 mm



Part No.	Max. Reverse Dark Current I_D (nA) @ $V_R=10V$; $E_e=0\text{ mW/cm}^2$	Min. Reverse Voltage $V(BR)R$ (V) @ $I_R=100\mu A$; $E_e=0\text{ mW/cm}^2$	Typ. Open Circuit Voltage V_{OC} (V) @ $E_e=5\text{ mW/cm}^2$	Typ. Light Current I_L (μA) @ $V_R=5V$; $E_e=5\text{ mW/cm}^2$	Total Capacitance C_T (PF) @ $f=1\text{ mhz}$; $V_R=5V$; $E_e=0\text{ mW/cm}^2$	Spectral Sensitivity Wavelength λ_p (nm)		
						Min.	Typ.	Max.
LSC1R9PD1C	30	33	390	40	18	400		1050
LSC1R9PD1D1	30	33	390	40	18	900	940	
LSC1R9PD1D2	30	33	390	40	18	800	870	

LSB1R12PD1D1

Outline Dimensions 5 mm



Part No.	Package	Reverse Light Current (IL)	Wavelength(nm)	Viewing Angle(°)
LSB1R12PD1D1-ZGY	DIP	25	840 nm ~ 1100 nm	120





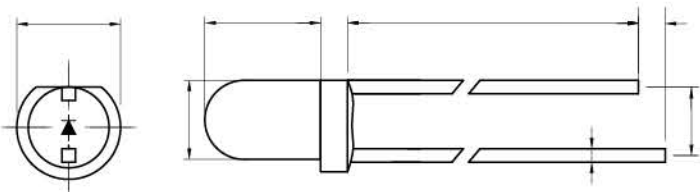
Phototransistor

- Photo-Switch - Detecting Object - Decoder



L31ROPT1X

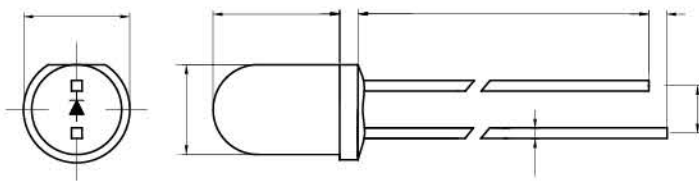
Outline Dimensions 3 mm



Part No.	Min. Collector-Emitter Breakdown Voltage BV _{CEO} (V) @I _C =100μA; E _e =0 mW/cm ²	Min. Emitter-Collector Breakdown Voltage BV _{ECO} (V) @I _C =100μA; E _e =0 mW/cm ²	Max. Collector Dark Current I _{CEO} (nA) @V _{CE} =10V; E _e =0 mW/cm ²	Max. Collector-Emitter Saturation Voltage V _{CE(S)} (V) @I _C =2mA; E _e =0.5 mW/cm ²	Typ. On State Collector Current I _C (mA) @V _{CE} =5V; E _e =0.1mW/cm ²	Spectral Sensitivity Wavelength λ _p (nm)		
						Min.	Typ.	Max.
L31ROPT1C	30	5	100	0.4	4	400		1050
L31ROPT1D1	30	5	100	0.4	1.2	900	940	
L31ROPT1D2	30	5	100	0.4	2	800	870	

L51ROPT1X

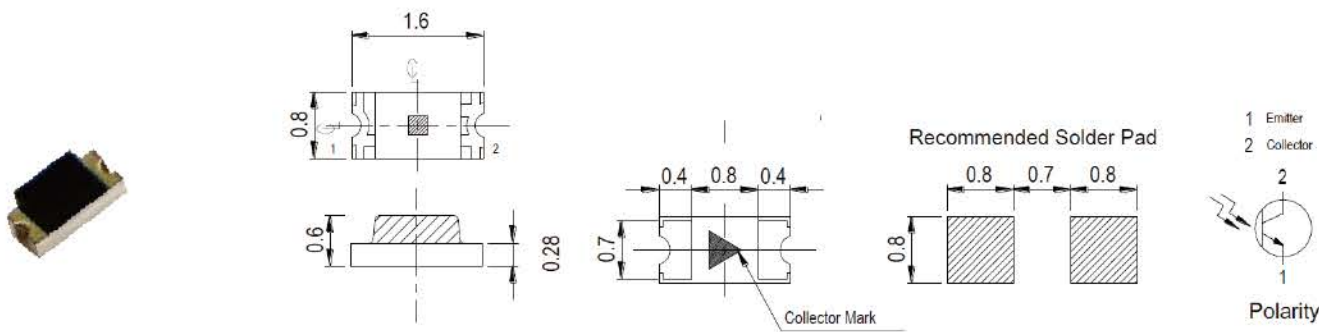
Outline Dimensions 5 mm



Part No.	Min. Collector-Emitter Breakdown Voltage BV _{CEO} (V) @I _C =100μA; E _e =0 mW/cm ²	Min. Emitter-Collector Breakdown Voltage BV _{ECO} (V) @I _C =100μA; E _e =0 mW/cm ²	Max. Collector Dark Current I _{CEO} (nA) @V _{CE} =10V; E _e =0 mW/cm ²	Max. Collector-Emitter Saturation Voltage V _{CE(S)} (V) @I _C =2mA; E _e =0.5 mW/cm ²	Typ. On State Collector Current I _C (mA) @V _{CE} =5V; E _e =0.1mW/cm ²	Spectral Sensitivity Wavelength λ _p (nm)		
						Min.	Typ.	Max.
L51ROPT1C	30	5	100	0.4	2	400		1050
L51ROPT1D1	30	5	100	0.4	1.2	900	940	
L51ROPT1D2	30	5	100	0.4	1.2	800	870	

LSB1R12PD1D1

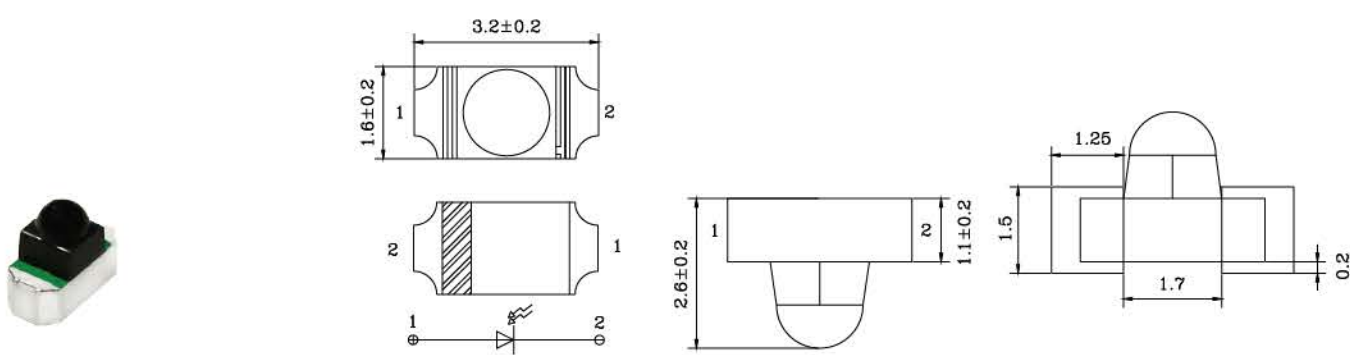
Outline Dimensions 1.6x0.8x0.6 mm



Part No.	Min. Collector-Emitter Breakdown Voltage $BV_{CEO}(V)$ @ $I_C=100\mu A$; $E_e=0 \text{ mW/cm}^2$	Min. Emitter-Collector Breakdown Voltage $BV_{ECO}(V)$ @ $I_E=100\mu A$; $E_e=0 \text{ mW/cm}^2$	Max. Collector Dark Current $I_{CEO}(nA)$ @ $V_{CE}=20V$; $E_e=0 \text{ mW/cm}^2$	Max. Collector-Emitter Saturation Voltage $V_{CE(S)}(V)$ @ $I_C=2mA$; $E_e=1 \text{ mW/cm}^2$	Typ. On State Collector Current $I_C(mA)$ @ $V_{CE}=5V$; $E_e=1 \text{ mW/cm}^2$	Spectral Sensitivity Wavelength $\lambda_p(nm)$		
						Min.	Typ.	Max.
LC191PTBT-HD	30	5	100	0.4	1.14		940	

LSB1R12PD1D1

Outline Dimensions 3.2x1.6x2.6 mm



Part No.	Min. Collector-Emitter Breakdown Voltage $BV_{CEO}(V)$ @ $I_C=100\mu A$; $E_e=0 \text{ mW/cm}^2$	Min. Emitter-Collector Breakdown Voltage $BV_{ECO}(V)$ @ $I_E=100\mu A$; $E_e=0 \text{ mW/cm}^2$	Max. Collector Dark Current $I_{CEO}(nA)$ @ $V_{CE}=10V$; $E_e=0 \text{ mW/cm}^2$	Max. Collector-Emitter Saturation Voltage $V_{CE(S)}(V)$ @ $I_C=2mA$; $E_e=1 \text{ mW/cm}^2$	Typ. On State Collector Current $I_C(mA)$ @ $V_{CE}=5V$; $E_e=1 \text{ mW/cm}^2$	Spectral Sensitivity Wavelength $\lambda_p(nm)$		
						Min.	Typ.	Max.
LS153PTDT-LENS-RB	30	5	30	0.4	1.0		940	

LS153CIR1CT

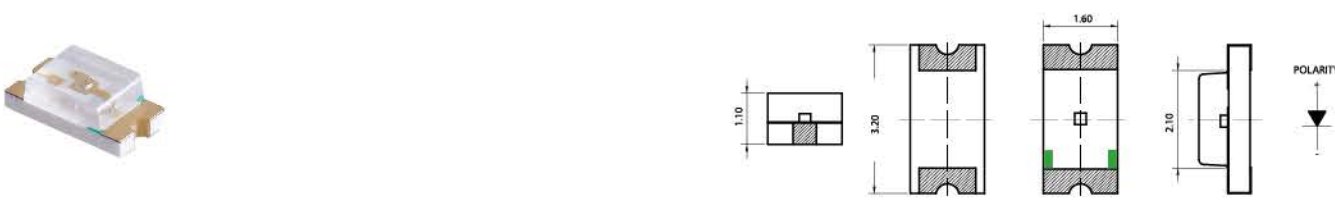
Outline Dimensions 3.2x1.6x1.9 mm



Part No.	Wavelength $\lambda_d(nm)$	Forward Current $I_F(mA)$	Radiant Intensity $I_e(mW/sr)$		Typ. Forward Voltage $V_F(V)$ 1.4@ $I_F=20mA$ 1.6@ $I_F=100mA$	Viewing Angle(°)
			Min.	Typ.		
LS153CIR1CT	940 nm	20	6	9		30

LC150IR1CT

Outline Dimensions 3.2x1.6x1.1 mm



Part No.	Wavelength $\lambda_d(nm)$	Forward Current $I_F(mA)$	Radiant Intensity $I_e(mW/sr)$		Typ. Forward Voltage $V_F(V)$ 1.4@ $I_F=20mA$ 1.6@ $I_F=100mA$	Viewing Angle(°)
			Min.	Typ.		
LC150IR1CT	940 nm	20	0.45	1.2		130

LS153PTDT

Outline Dimensions 3.2x1.6x2 mm



Part No.	Package	Light Current (mA)	Wavelength (nm)	Viewing Angle(°)
LS153PTDT	SMD	2.6	900 nm ~ 940 nm	30

LC150PTDT

Outline Dimensions 3.2x1.6x1.1 mm



Part No.	Package	Light Current (mA)	Wavelength (nm)	Viewing Angle(°)
LC150PTDT	SMD	2	900 nm ~ 940 nm	130

Transmitter and Receiver

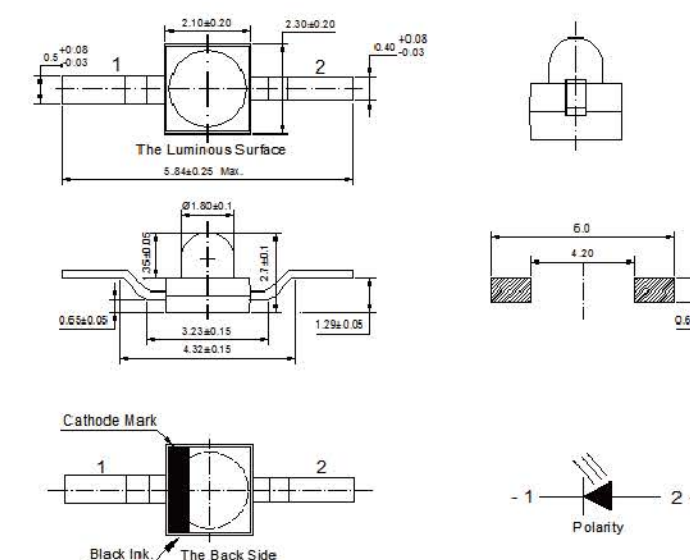
- IP-Camera
- Photoelectric encoder



L180IR1C



Outline Dimensions 5.8x2.1x2.7 mm

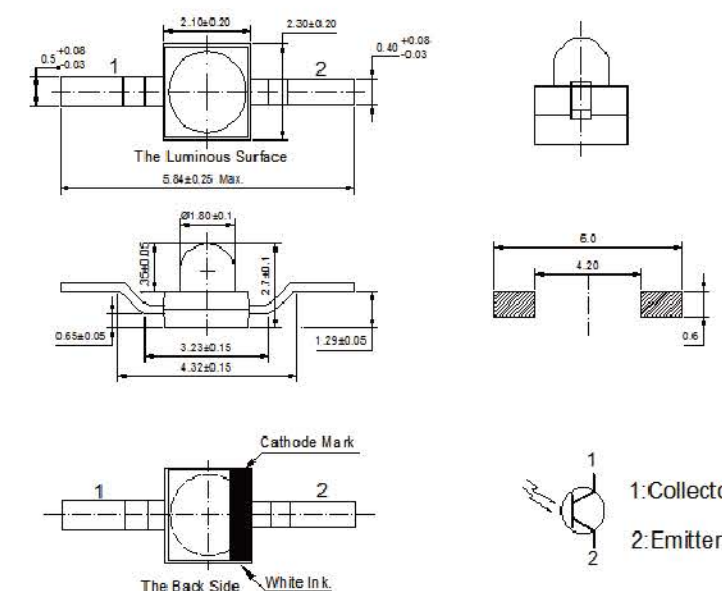


Part No.	Wavelength λ_d (nm)	Forward Current I_F (mA)	Radiant Intensity I_e (mW/sr)		Typ. Forward Voltage V_F (V)	Viewing Angle(°)
			Min.	Typ.		
L1801R1C-BKS-TR10	940 nm	20	3.0	5.0	1.4@ $I_F=20\text{mA}$ 1.6@ $I_F=100\text{mA}$	25

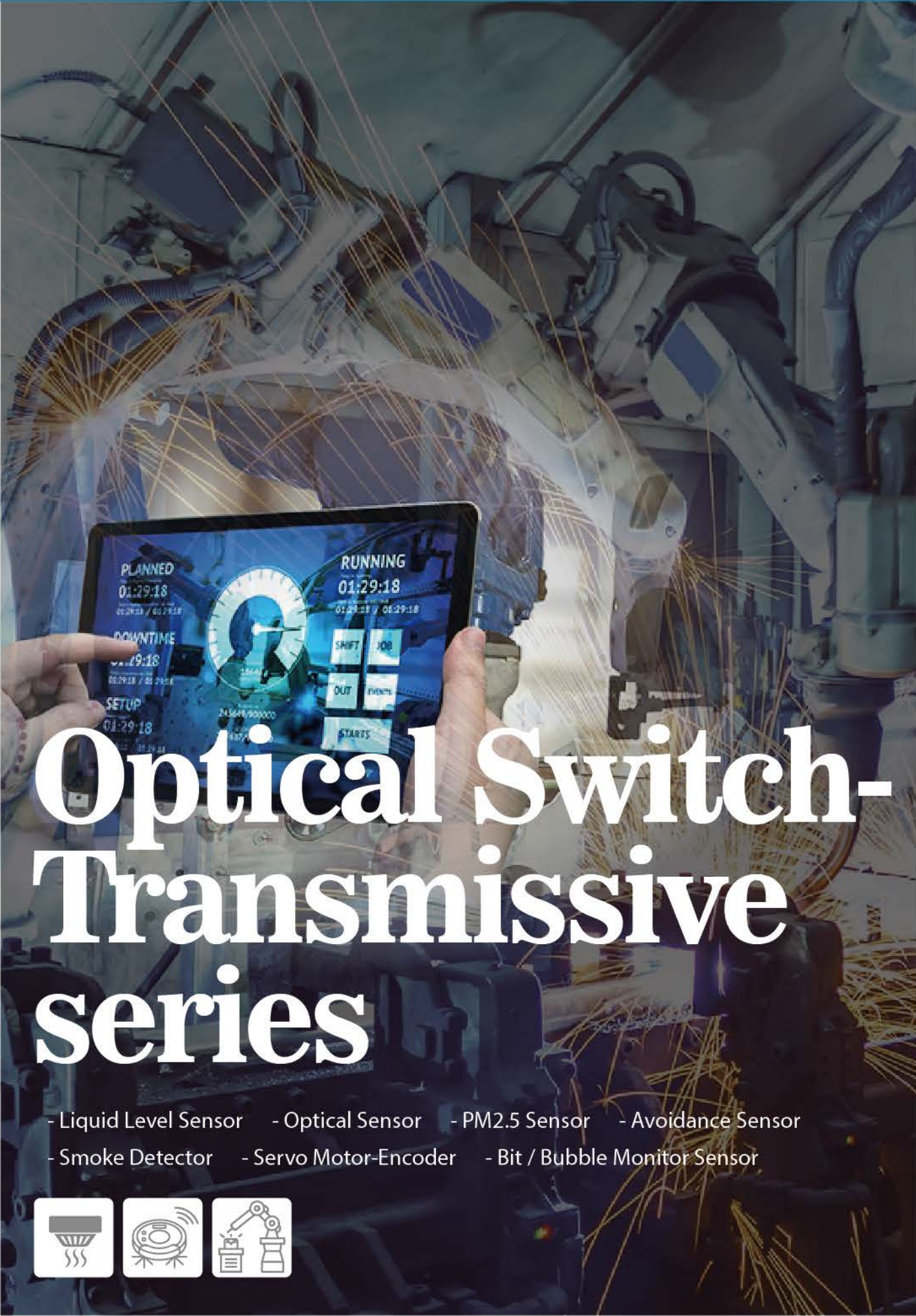
L180PT1DT



Outline Dimensions 3.2x1.6x2.6 mm



Part No.	Package	Light Current (mA)	Wavelength (nm)	Viewing Angle(°)
L180PT1DT-BKR-TR10	SMD	20	730 nm ~ 1100 nm	25

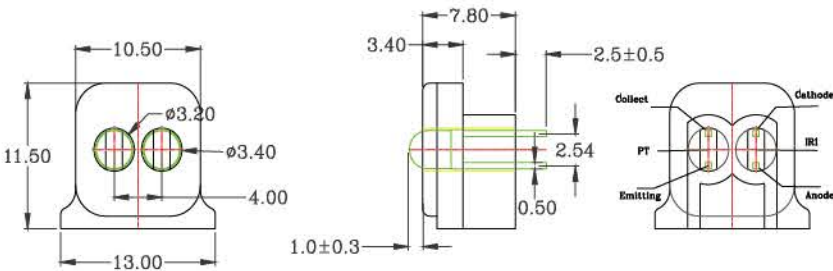


- Liquid Level Sensor
- Optical Sensor
- PM2.5 Sensor
- Avoidance Sensor
- Smoke Detector
- Servo Motor-Encoder
- Bit / Bubble Monitor Sensor



ITRH001

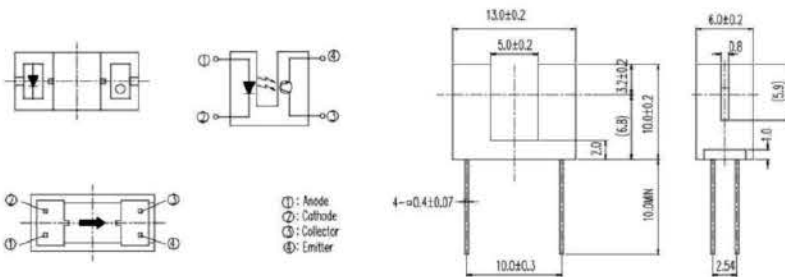
Outline Dimensions 13x11.5x7.8 mm



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
ITRH001	DIP	45 mW	30 mA	25 / 25

ITR2005002

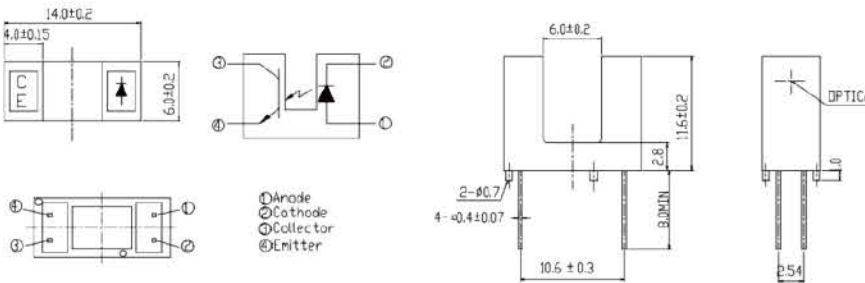
Outline Dimensions 20x13x6 mm



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
ITR2005002	DIP	75 mW	75 mW	15 / 15

ITR2012001

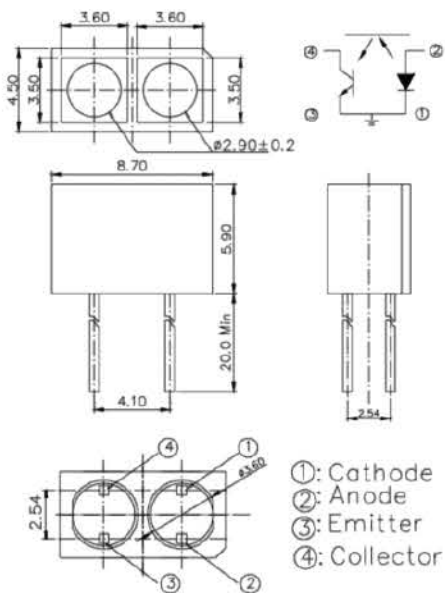
Outline Dimensions 19.6x14x6 mm



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
ITR2012001	DIP	75 mW	75 mW	15 / 15

ITR2005003

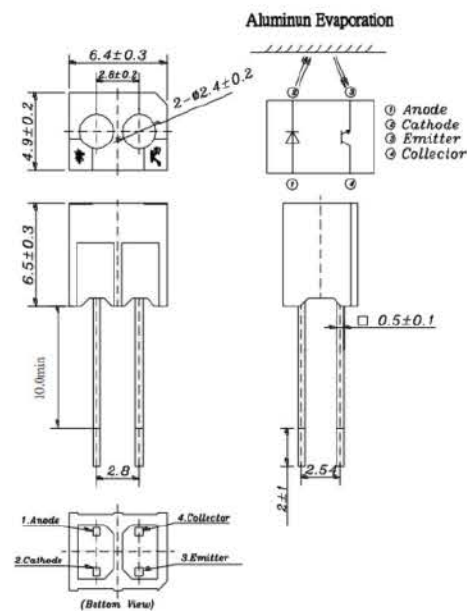
Outline Dimensions 8.7 x 3.5 x 25.9 mm



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
ITR2005003	DIP	75 mW	75 mW	15 / 15

ITR2012002

Outline Dimensions 6.4 x 4.9 x 18.5 mm



Part No.	Package	Input Emitter	Output (Detector)	Tr / Tf (μs)
ITR2012002	DIP	75 mW	75 mW	15 / 15





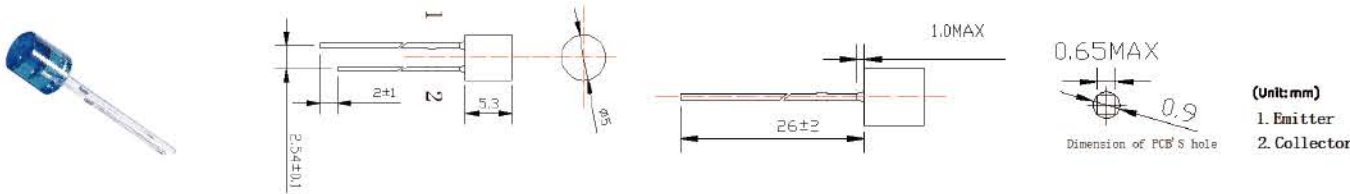
Optical sensor-Ambient light sensor

- Detection of ALS to Control IR LED
- Automatic contrast for light change



L5Q3IRT

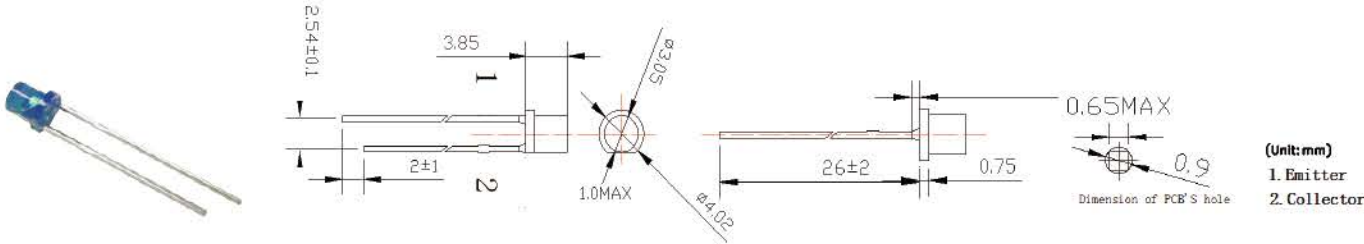
Outline Dimensions 5 mm



Part No.	Package	On State Collrctor Current (Ev=30Lux)	Wavelength(nm)	Viewing Angle(°)
L5Q3IRT-JNJ	DIP	15	550 nm	120

ITRH001

Outline Dimensions 4.02 mm



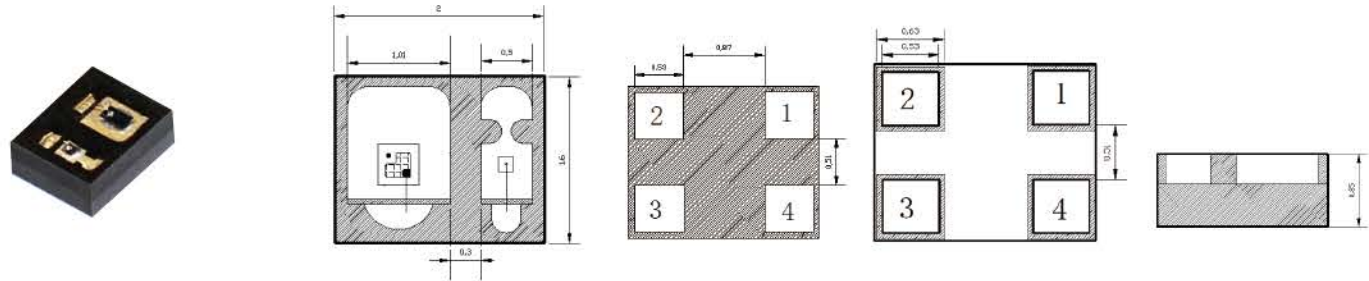
Part No.	Package	Radiant Intensity(mW/sr)	Wavelength(nm)	Viewing Angle(°)
L334IRT-JNJ	DIP	15	550 nm	120

Optical sensor-TWS Proximity sensor

- TWS-Earphone - Proximity Sensor

LT2016IR1CT

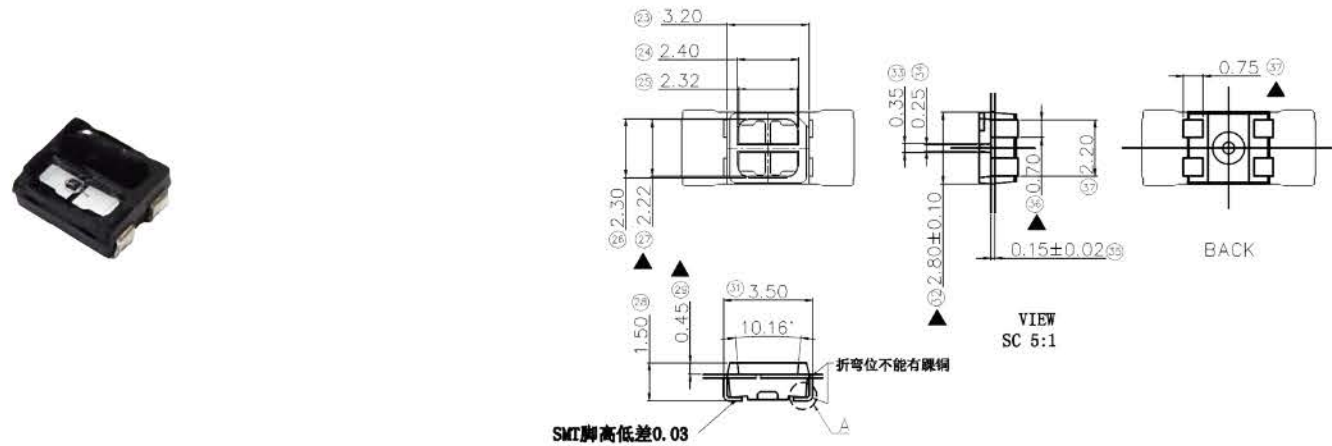
Outline Dimensions 2x1.6x0.85 mm



Part No.	Package	test condition (IF)	Radiant Intensity(mW)	Wavelength(nm)	Viewing Angle(°)
LT2016IR1CT-JNJ	SMD	10 mA	12	940 nm	120

ITR8307

Outline Dimensions 3.2x3.5x1.5 mm



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
ITR8307	PLCC	75 mW	75 mW	20 / 20





Optical sensor-Pulse sensor

- Food

- Skin Moisture

- Gas Measurement

- Blood Oxygen

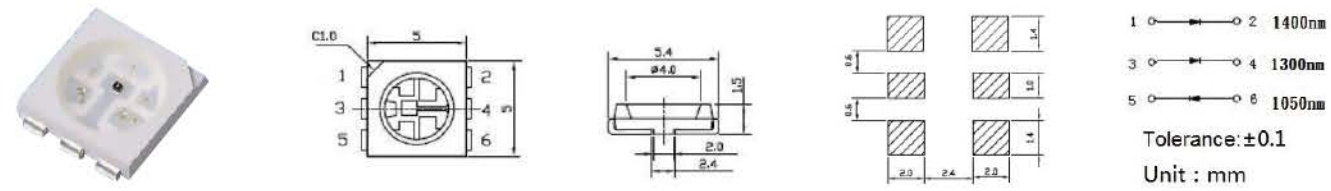
- Pulse Sensor





ITRH001

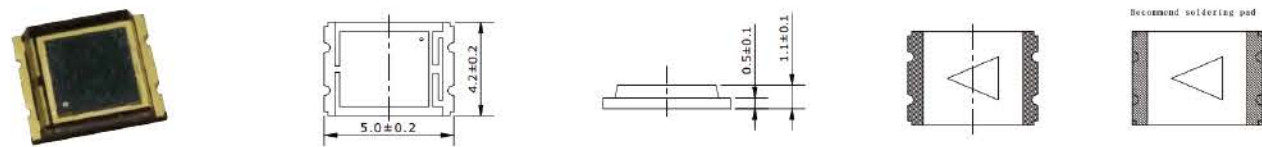
Outline Dimensions 5 x5.4x1.5 mm



Part No.	Package	test condition (IF)	Radiant Intensity(mW)	Wavelength(nm)	Viewing Angle(°)
LT69F3IN1CT-JNJ	PLCC	100 mA	33 / 34 / 25	1050nm / 1300nm / 1400nm	120

ITR2005002

Outline Dimensions 20x13x6 mm



Part No.	Package	Reverse Light Current (IL)	Wavelength(nm)	Viewing Angle(°)
LC5042PDC-ZGY	SMD	25	400 nm ~ 1100 nm	120





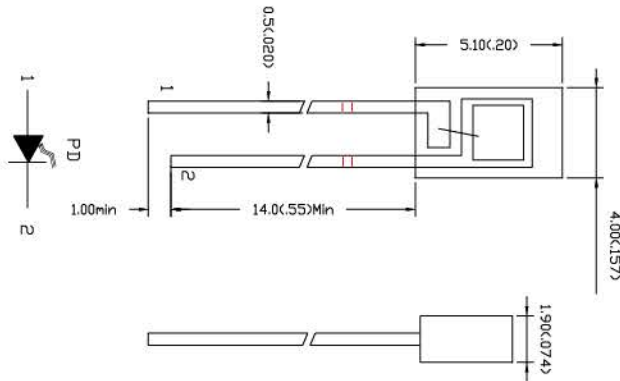
Optical sensor- Pulse Oximeter sensor

- Pulse oximeter

LSC1R9PD1C



Outline Dimensions 20.1x4x1.9 mm

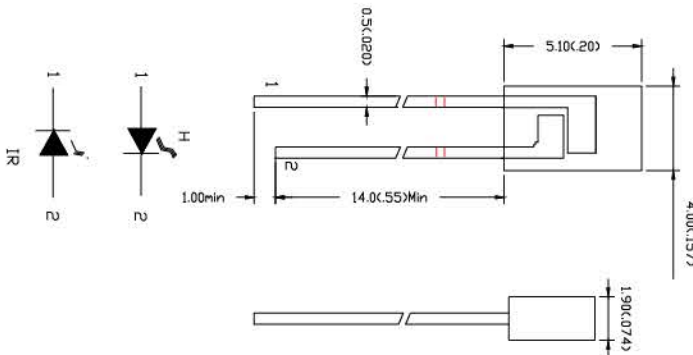


Lens Type	Reverse Breakdown BVR(V) E =0 _e mW/cm ² IR=100μA	Total Capacitance CT(pF) E _e =0mW/cm ² VR=3V F=1MHZ	Max. Collector Dark Current I _{CEO} (nA) @V _{CE} =10V; E _e =0 mW/cm ²	Max. Collector-Emitter Saturation Voltage V _{CE(S)} (V) @I _C =2mA; E _e =5mW/cm ²	Typ. On State Collector Current I _C (mA) @V _{CE} =5V; E _e =1mW/cm ²	Spectral Sensitivity Wavelength λ _p (nm)		
						Min.	Typ.	Max.
Water Clear	170	7.3	5	0.35	18	400		1100

LSC2HIRC



Outline Dimensions 13 x11.5x7.8 mm



Lens Type	Wavelength λ _d (nm)		Typ. Radiation Intensity I _e (mW/sr)		Typ. Forward Voltage V _F (V)		Forward Current I _F (mA)		Viewing Angle (deg.)
	R	IR	R	IR	R	IR	R	IR	
Water Clear	660 nm	905 nm	60	50	2.6	1.6	30	50	-



► Headquarters

光鼎電子股份有限公司
Para Light Electronics Co., Ltd.

新北市中和區建康路8號11樓
11F, No. 8, Jiankang Rd., Zhonghe Dist. New Taipei City, 23586 Taiwan
T+886-2-2225-3733
F+886-2-2225-4800
para@para.com.tw
www.para.com.tw

► Factory

連雲港光鼎電子有限公司
Para Light Lianyungang Electronics Co., Ltd.

中國江蘇省連雲港市灌南線經濟開發區威海路8號
No.8, Wei Hai Rd., Guannan Economics Deveopment Zone,
Lianyungang City, Jiangsu Province, 223500, China
T+86-518-8369-2888
F+86-518-8369-2899
para@para.com.tw

南京華鼎電子有限公司
Para Light Nanjing Electronics Co., Ltd.

中國江蘇省南京市江寧區湯山街湯泉西路1號
No.1, Tanguan W. Rd., Tangshan Ave., Jianning Dist. Nanjing City,
Jiansu Province, 211131 China
T+86-25-8410-7685
F+86-25-8410-7684

緬甸光鼎電子有限公司(仰光)
Para Light Yangon Electronics Co., Ltd. (Myanmar)

No. 212, Pyin Si Minthar Gyi Street, Shwe Lin Ban Industry,
Hlaing Thar Yar Township, Yangon, Myanmar
T+95-9776964540
susie@parahk.com
www.para.com.tw

► America

美國光鼎分公司
Para Light Corp. USA

515 Spanish Lane, Suite B, Walnut, CA 91789
T+909-468-4866
F+909-468-4876
sales@paralightusa.com
www.paralightusa.com

► India

印度光鼎分公司
Para Light India Pvt. Ltd.

No.979, 9th Floor, Aggarwal Cyber Plaza-2,
Netaji Subhash Place, Pitampura, New Delhi- 110034, India
T+011-41086226
abhinav.jha@para.com.tw

► Greater China-Sales Team

North China : Beijing, Qingdao
East China : Shanghai, Ningbo, Suzhou, Nanjing, Hefei, Wuhan, Zhengzhou
South: Shenzhen, Xiamen, Jiangmen
Central : Chengdu

蘇州光鼎電子有限公司 East China
Para Light (SUZHOU) Electronics Co., Ltd.

蘇州新區獅山路199號新地中心2104室
Room 2104, Xindi Center Building, No.199, Shishan Road
Suzhou City, Jiangsu Province, 215011 China
T+86-133-6527-0527
F+86-512-6809-7669
jeremy@para-lyg.com.cn

光鼎深圳實業有限公司 South China
Para Light (SHENZHEN) Electronics Co., Ltd.

中國深圳市龍華區龍觀東路57號尚美時代大廈1310-1312室
Room 1310-1312, Shangmei Times Building, No.57,
Longguan East Road, Longhua Dist., Shenzhen City,
Guangdong Province, 518110 China
T+86-189-2747-1103
eddy@paralight.com.cn

青島光鼎電子有限公司
Para Light (QINGDAO) Electronics Co., Ltd.

山東省青島市市北區山東路168號時代國際廣場12樓1204室
Room 1204, 12th Floor, Times International Plaza,
No.168 Shandong Road, Shibei District, Qingdao City,
Shandong Province, 266000 China
T+0532-85692571 / 18626429477

光鼎北京辦事處 North China
Para Light (BEIJING) Sales Office

北京市海澱區清和中街橡樹灣二期
Qinghe street, oak bay Phase II building, Haiding District,
Beijing City, 100000 China
T+186-2642-9477 / 181-0107-7619
tianjin@paralight.com.cn

光鼎成都辦事處 Central China
Para Light (CHENGDU) Sales Office

四川省成都市金牛區金沙路169號-現代城1幢10層1008室
Room 1008, 10th Floor, No. 169 Xiandaicheng Building 1, Jinsha Road,
Jinniu District, Chengdu city, Sichuan Province, 610031 China
T+86-18360655305
yangfeiting@para-lyg.com.cn