



PARA
light
SINCE 1987

光鼎電子股份有限公司

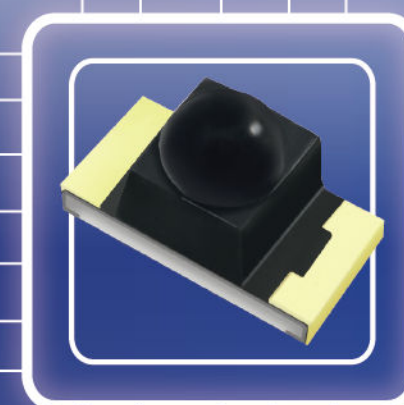
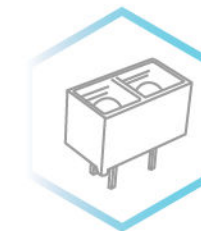
PARA LIGHT ELECTRONICS CO., LTD

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LED Invisible

OUR HISTORY

PARA LIGHT was founded in 1987, and listed on Taiwan Stock Exchange (TWSE) in 2008(ticker number 6226).



PARA LIGHT is now one of the global leaders in LED Design and Manufacturing. 9 years ago, PARA LIGHT established the first OPTICAL LAB, by which PARA LIGHT is able to provide Optical Solutions, and also expands our services to LED MODULE Design and Manufacturing.

Chairman Mr. David Ma
Capital USD 37 million
No. of Employee 676

PARA LIGHT's manufacturing facilities are located in China (Nanjing and Lianyungan), and Myanmar (Yangon), certified with ISO 14001, ISO 9001, and IATF 16949. PARA LIGHT produces high quality products complied to REACH and RoHS standard.

Sales offices are based in Taiwan, China, USA and India. Our sales team and certified distributors are located around the world to provide immediate services and prompt delivery to the customers.

A background image showing a group of people working together at a table. They are looking at documents and a laptop. The image is slightly blurred, emphasizing the text overlay.

INNOVATE COOPERATION INTEGRITY EVELOPMENT

Adhering to the enterprise philosophy of "customer first, service quality, creativity reality, skillfulness technique has always been the mission statement at the Para Light Electronics.

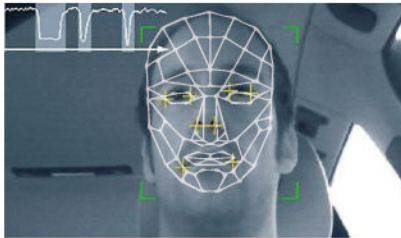
Infrared LED and Detector



P.08 Lamp Series



P.14 SMD Series



P.17 Side View Series



P.18 High Power Series



P.19 Photo Diode Series



P.20 Photo Transistor Series

Sensor



P.24 Sensor Series

Optical Switch



P.28
Photointerrupter ITR
(Transmissive Type)



P.29
Photointerrupter ITR
(Reflective Type)



P.36 IRM Series

UV LED



P.42 UV LED

INFRARED LED & DETECTOR

Applications

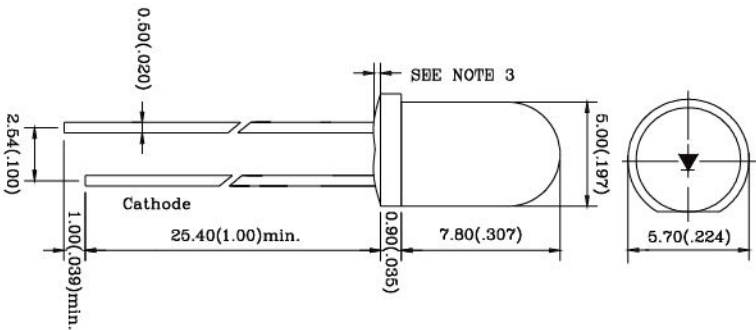
- ◆ Infrared detection
- ◆ Direction sensing
- ◆ Ultraviolet disinfection
- ◆ Water / Surface / Air Sterilization



Lamp Series	08
L51XXIR1X	
L51XXIR3X	
L51XGIR4XX	
L5PGEIRXX	
L51XXIR2X	
L51XXIR4X	
L31PROPT1X	
L51PROPT1X	
LSB1R9PD1X	
LSC1R9PD1X	
L5Q3IRT	
ITRH001	
SMD Series	14
ITRH001	
LT2016IR1CT	
LS153CIR1CT	
LC150IR1CT	
LC191	
LC19D	
LS156	
LC15D Series	
Side View Series	17
LSC1R9PD1C	
LSC2HIRC	
High Power Series	18
LT2835	
LT3535	
LT3535UVC	
Photo Diode Series	19
LSB1R12PD1D1	
ITR2005002	
Photo Transistor Series	20
LSC1R9PD1C	
LS153PTDT Series	
LC150PTDT	

Lamp Series L51XXIR1X

Dimension 5 mm



Specifications

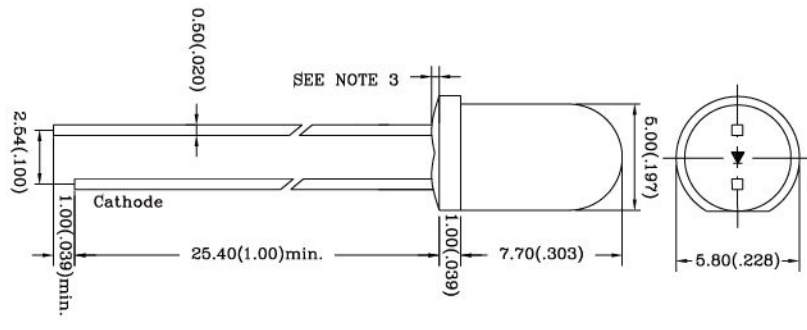
Part No.	Wavelength λ_d (nm)	Viewing Angle (deg.)	Radiation Intensity I_e (mW/sr)		Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
			Min.	Typ.		
L514EIR1C	940 nm	20	15	28	1.2@ $I_f=20$ mA 1.5@ $I_f=100$ mA	20
L516EIR1C		30	8	22	1.3@ $I_f=20$ mA 1.5@ $I_f=100$ mA	
L518EIR1C		40	4	12	1.2@ $I_f=20$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

Lamp Series L51XXIR3X

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.		
514EIR3C	865 nm	20	30	50	1.4@ $I_f=20$ mA 1.6@ $I_f=100$ mA	20
L516EIR3C		30	12	30		
L518EIR3C		40	10	22		
L51AEIR3C		50	10	20		
L514EIR3BC		20	25	45		
L516EIR3BC		30	12	25		
L518EIR3BC		40	10	20		
L51AEIR3BC		50	10	18		

Lamp Series L51XGIR4XX

Dimension 5 mm

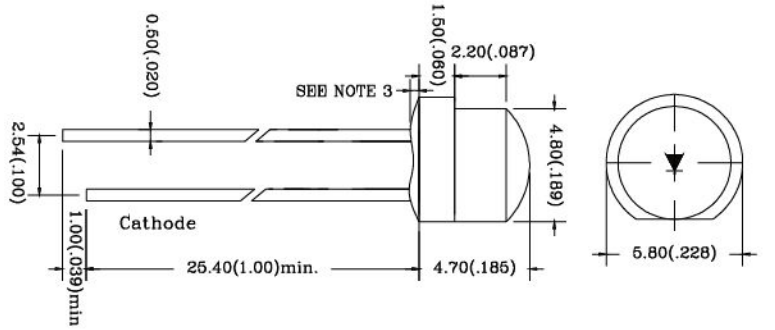


Specifications

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 =20mA 1.5@ I_f =100mA	100
L516GIR4C		30	30	70	1.5@ I_f =20mA 1.6@ I_f =100mA	
L518GIR4C		40	68	85	1.4@ I_f =20mA 1.5@ I_f =100mA	
L51AGIR4C		50	24	40		

Lamp Series L5PGEIRXX

Dimension 5 mm

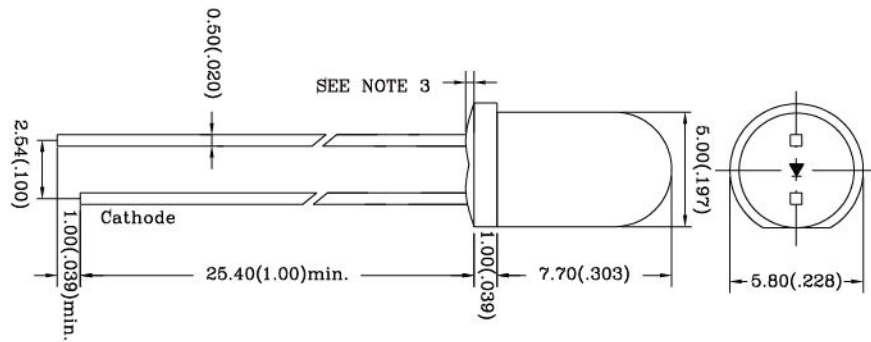


Specifications

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		

Lamp Series L51XXIR2X

Dimension 5 mm



Specifications

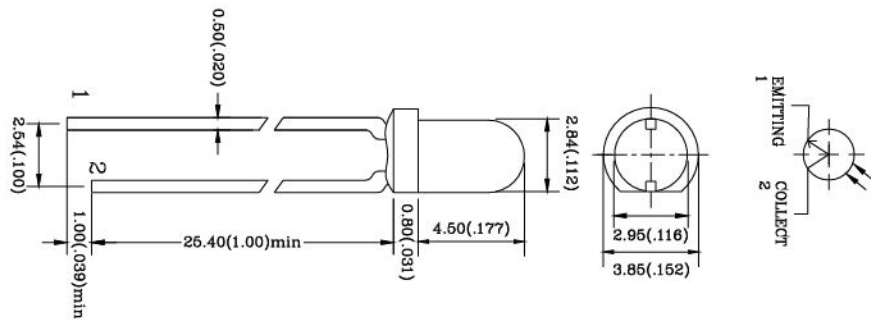
Part No.	Wavelength λ_d (nm)	Viewing Angle (deg.)	Radiation Intensity I_e (mW/sr)		Typ. Forward Voltage V_f (V)	Forward Current I_f (mA)
			Min.	Typ.		
L514EIR2C	880 nm	20	12	28	1.3@ $I_f=20$ mA 1.6@ $I_f=100$ mA	20
L516EIR2C		30	2	7		
L518EIR2C		40	20	21		
L51AEIR2C		50	4	10		
L514EIR2BC		20	15	30		

Lamp Series L51XXIR4X

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@ $I_f=20$ mA 1.7@ $I_f=100$ mA	20
L516EIR4C		30	21	33	1.6@ $I_f=20$ mA 1.7@ $I_f=100$ mA	
L518EIR4C		40	10	20	1.4@ $I_f=20$ mA 1.5@ $I_f=100$ mA	
L51AEIR4C		50	12	25	1.6@ $I_f=20$ mA 1.7@ $I_f=100$ mA	
L51CEIR4C		60	10	20	1.4@ $I_f=20$ mA 1.6@ $I_f=100$ mA	
L514EIR4BC		20	56	65	1.4@ $I_f=20$ mA 1.5@ $I_f=100$ mA	
L516EIR4BC		30	32	40		
L518EIR4BC		40	28	35		
L51AEIR4BC		50	10	25		

Lamp Series L31ROPT1X

Dimension 3 mm

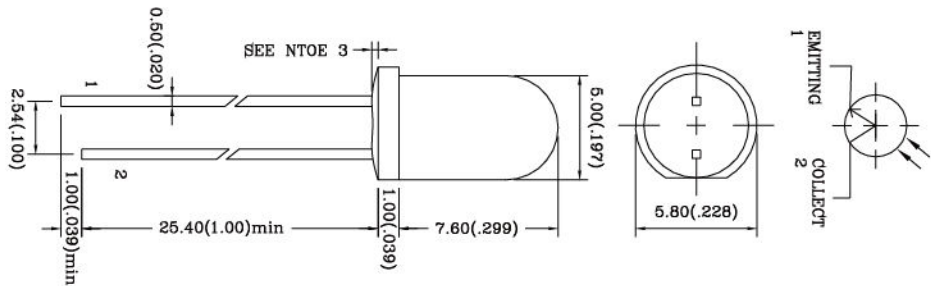


Specifications

Part No.	Min. Collector- Emitter Breakdown Voltage BV_{CE0} (V) @ $I_C=100\mu$ A; $E_e=0$ mW/cm ²	Min. Emitter- Collector Breakdown Voltage BV_{ECO} (V) @ $I_C=100\mu$ A; $E_e=0$ mW/cm ²	Max. Collector Dark Current I_{CE0} (nA) @ $V_{CE}=10$ V; $E_e=0$ mW/cm ²	Max. Collector- Emitter Saturation Voltage $V_{CE(S)}$ (V) @ $I_C=2$ mA; $E_e=0.5$ mW/cm ²	Typ. On State Collector Current I_C (mA) @ $V_{CE}=5$ V; $E_e=0.1$ mW/cm ²	Spectral Sensitivity Wavelength λ_p (nm)		
						Min.	Typ.	Max.
L31ROPT1C	30	5	100	0.4	4	400		1050
L31ROPT1D1					1.2	900	940	
L31ROPT1D2					2	800	870	

Lamp Series L51ROPT1X

Dimension 5 mm

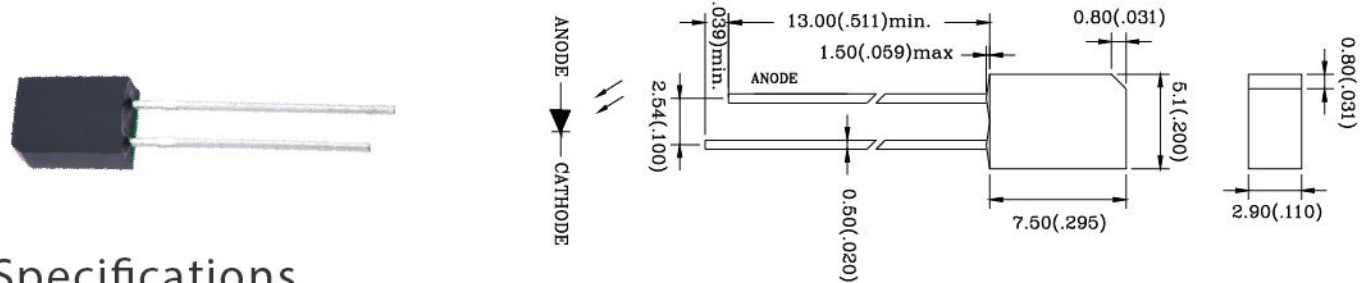


Specifications

Part No.	Min. Collector- Emitter Breakdown Voltage BV_{CE0} (V) @ $I_C=100\mu$ A; $E_e=0$ mW/cm ²	Min. Emitter- Collector Breakdown Voltage BV_{ECO} (V) @ $I_C=100\mu$ A; $E_e=0$ mW/cm ²	Max. Collector Dark Current I_{CE0} (nA) @ $V_{CE}=10$ V; $E_e=0$ mW/cm ²	Max. Collector- Emitter Saturation Voltage $V_{CE(S)}$ (V) @ $I_C=2$ mA; $E_e=0.5$ mW/cm ²	Typ. On State Collector Current I_C (mA) @ $V_{CE}=5$ V; $E_e=0.1$ mW/cm ²	Spectral Sensitivity Wavelength λ_p (nm)		
						Min.	Typ.	Max.
L51ROPT1C	30	5	100	0.4	4	400		1050
L51ROPT1D1					1.2	900	940	
L51ROPT1D2					1.2	800	870	

Lamp Series LSB1R9PD1X

Dimension 5 mm

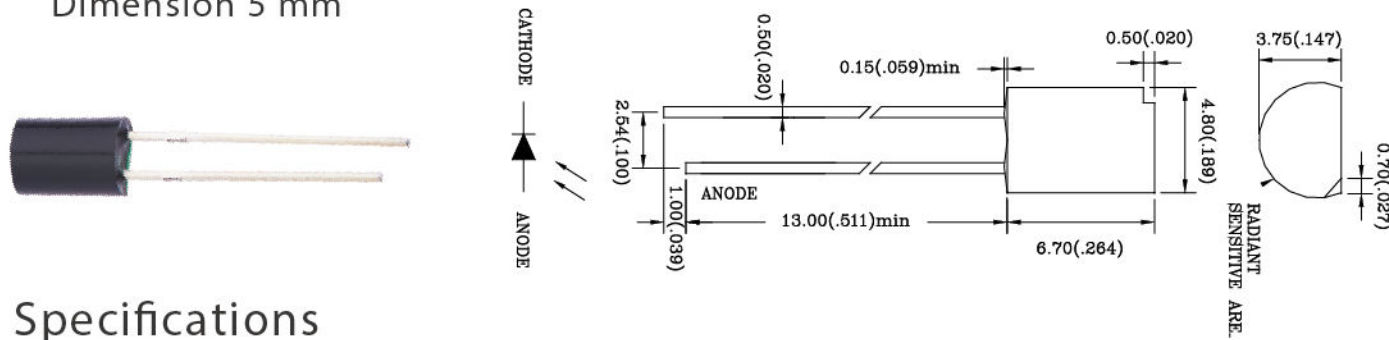


Specifications

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						400		1050
LSB1R9PD1D1	30	33	390	40	18	900	940	
LSB1R9PD1D2						800	870	

Lamp Series LSC1R9PD1X

Dimension 5 mm

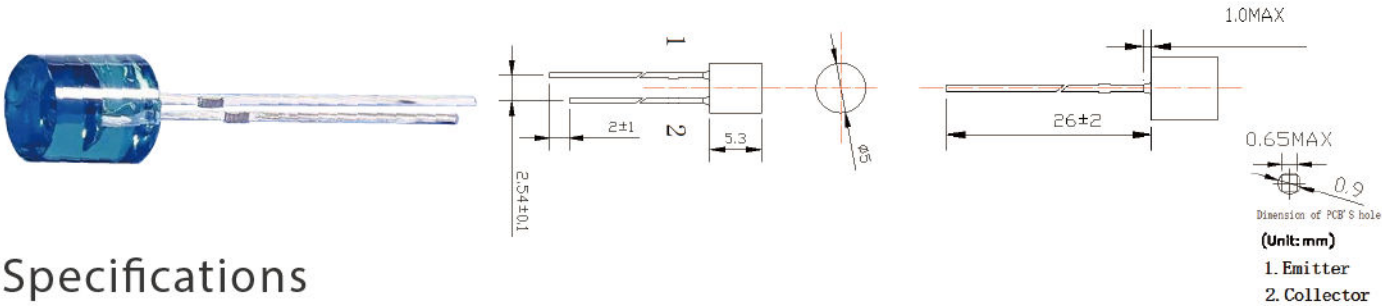


Specifications

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						400		1050
LSC1R9PD1D1	30	33	390	40	18	900	940	
LSC1R9PD1D1						800	870	

Lamp Series L5Q3IRT

Dimension 5 mm

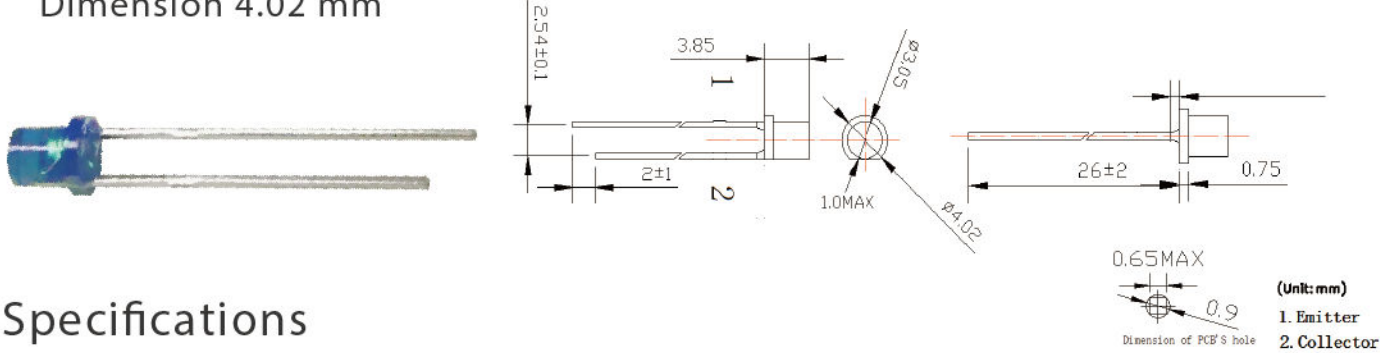


Specifications

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

Lamp Series ITRH001

Dimension 4.02 mm

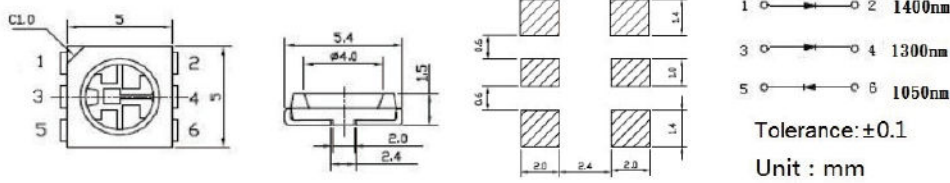


Specifications

Part No.	Package	On State Collrctor Current (Ev=30Lux)	Wavelength (nm)	Viewing Angle (°)
L334IRT-JNJ	DIP	15	550 nm	120

SMD Series ITRH001

Dimension 5*5.4*1.5 mm

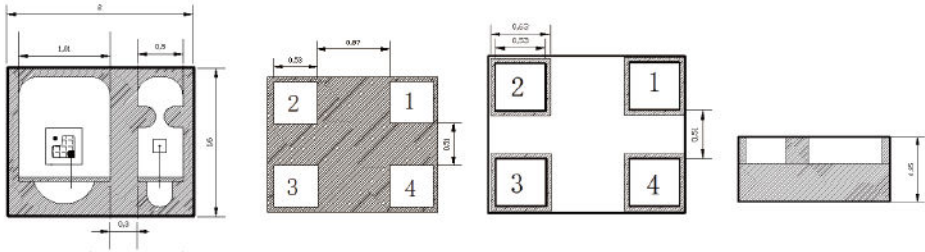
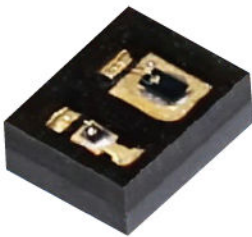


Specifications

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

SMD Series LT2016IR1CT

Dimension 2*1.6*0.85 mm

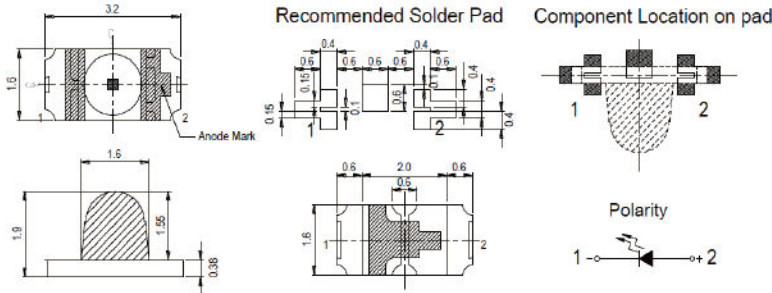
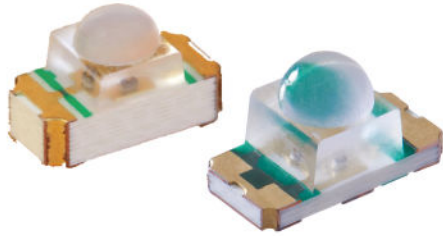


Specifications

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

SMD Series LS153CIR1CT

Dimension 3.2*1.6*1.9 mm

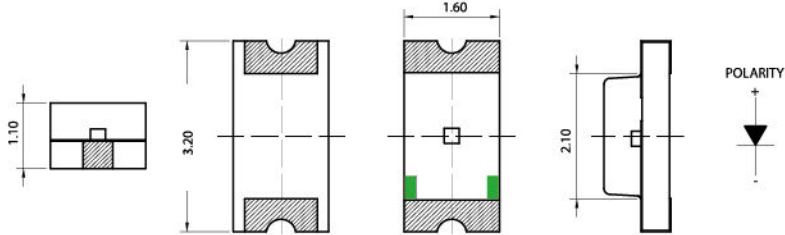


Specifications

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(°)
LS153CIR1CT	940 nm	20	6 9	1.4@I _F =20mA 1.6@I _F =100mA	30

SMD Series LC150IR1CT

Dimension 3.2*1.6*1.1 mm

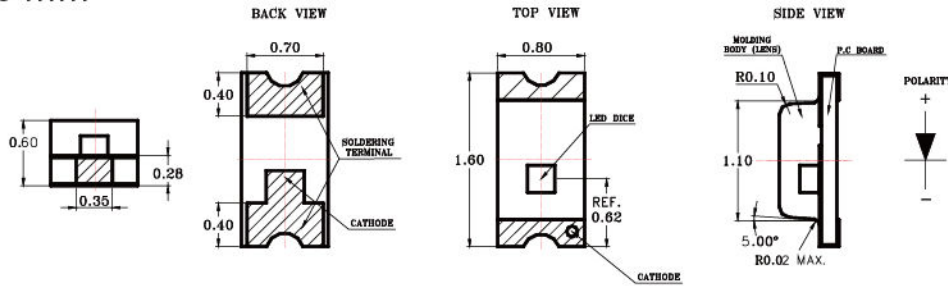


Specifications

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(°)
LC150IR1CT	940 nm	20	0.45 1.2	1.4@I _F =20mA 1.6@I _F =100mA	130

SMD Series LC191

Dimension 1.6*0.8*0.6 mm

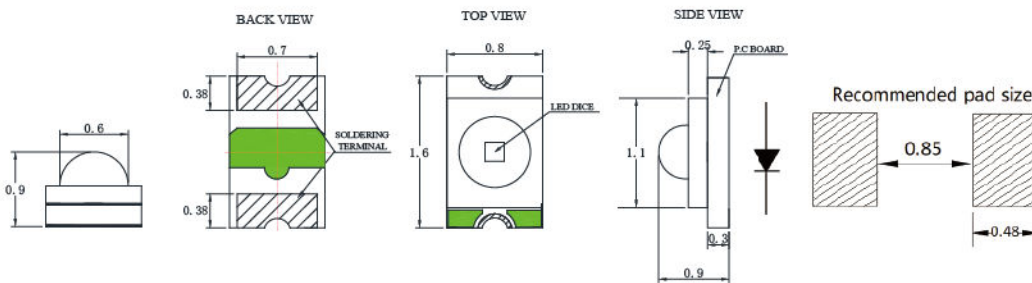
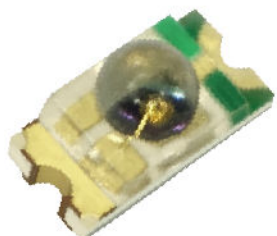


Specifications

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

SMD Series L19D

Dimension 1.6*0.8*0.9 mm

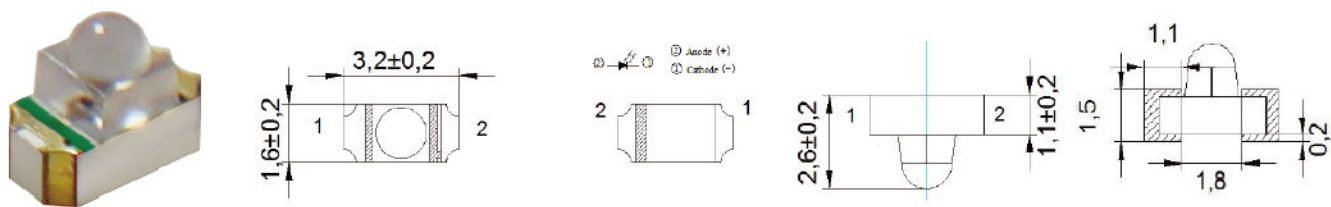


Specifications

Part No.	Package	Reverse Light Current (IL)	Wavelength(nm)	Viewing Angle(°)
LC19DCAIR1CT-XG	SMD	3	940 nm	60

SMD Series LS156

Dimension 3.2*1.6*2.6 mm

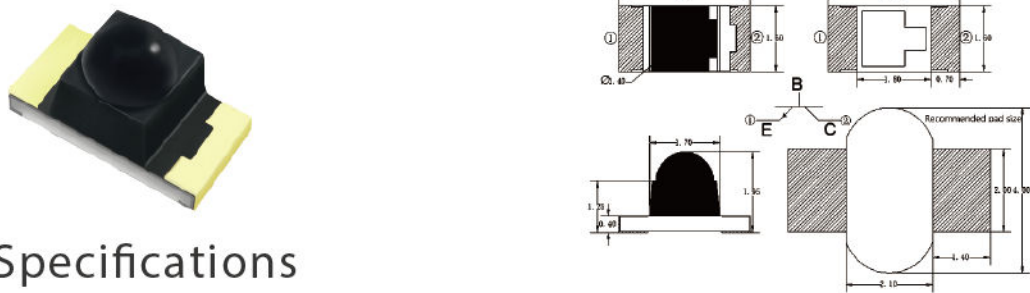


Specifications

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

SMD Series LC15D

Dimension 3.2*1.6*1.95 mm

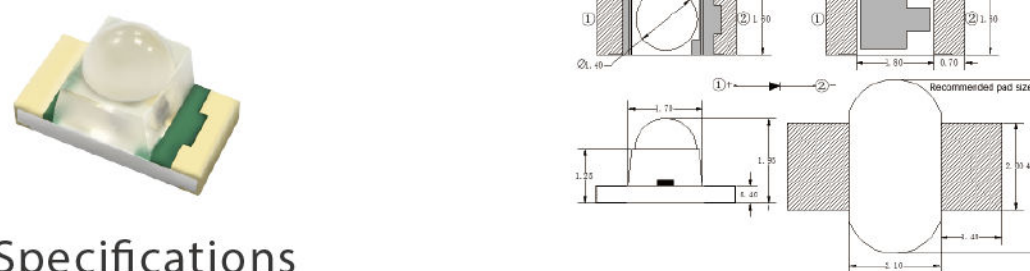


Specifications

Part No.	Wavelength λ _p (nm)	Forward Current I _F (mA)	Power consumption	Current amplification factor hFE	
				Min.	Max.
LC15D4PTDT	940 nm	20	75 mW	1100	1800

SMD IR LC15D

Dimension 3.2*1.6*1.95 mm

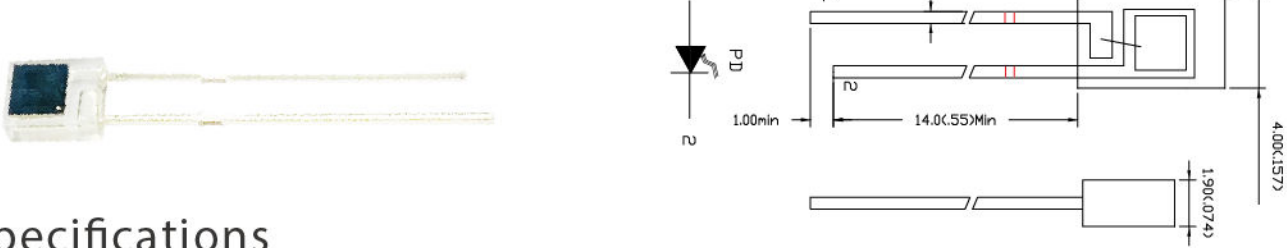


Specifications

Part No.	Wavelength λ _p (nm)	Forward Current I _F (mA)	Power consumption	Typ. Forward Voltage V _F (V)	Viewing Angle(°)
LC15D4EIR1CT	940 nm	100	160 mW	1.35	20
LC15DSRCT		30	70 mW	2.1	30

Side View Series LSC1R9PD1C

Dimension 20.1*4.0*1.9 mm

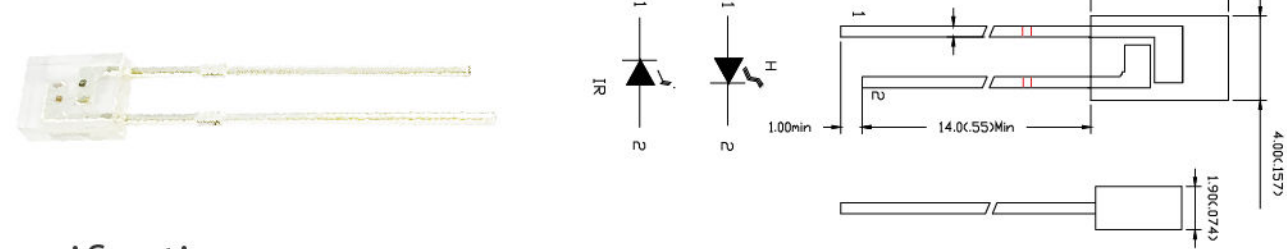


Specifications

Lens Type	Reverse Breakdown BVR(V) E =0mW/cm² IR=100µA	Total Capacitance CT(pF) E _e =0mW/cm² VR=3V F=1MHZ	Max. Collector Dark Current I _{CEO} (nA) @V _{CE} =10V; E _e =0 mW/cm²	Max. Collector-Emitter Saturation Voltage V _{CE(S)} (V) @I _C =2mA; E _e =5mW/cm²	Typ. On State Collector Current I _C (mA) @V _{CE} =5V; E _e =1mW/cm²	Spectral Sensitivity Wavelength λ _p (nm)		
						Min.	Typ.	Max.
Water Clear	170	7.3	5	0.35	18	400		1100

Side View Series LSC2HIRC

Dimension 20.1*4.0*1.9 mm

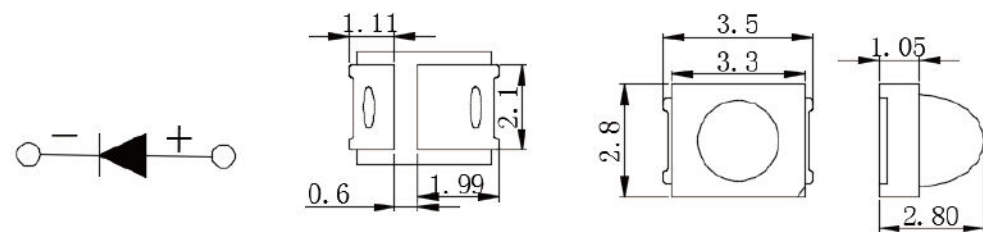


Specifications

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	-

High Power Series LT2835

Dimension 2.8*3.5*2.42 mm

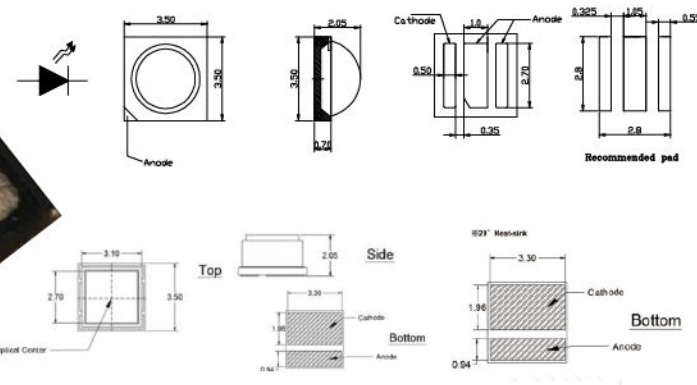


Specifications

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			60			
LT2835IR4CT-90			90	60~100		

High Power Series LT3535

Dimension 3.5*3.5*2.05 mm

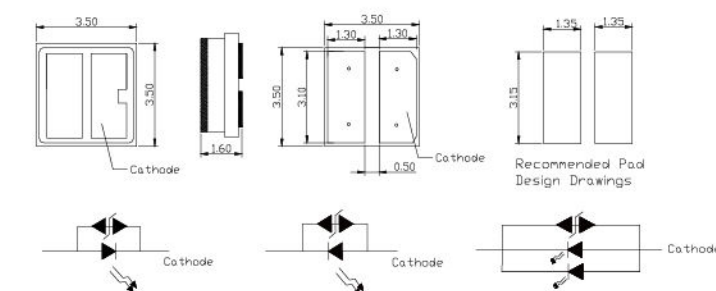


Specifications

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		240 mW		150	
LT3535IR4CT-R-P-E-B		195 mW		120	
LT3535IR4CT-R-Y-E-B		145 mW		150	
LT3535IR4CT-U-P-E-B	1000 mA	175 mW	940 nm	120	
LT3535IR4CT-U-Y-E-B		165 mW		150	
LT3535IR1CT-N-Y-E-B	350 mA	40 mW		940 nm	55 / 72
LT3535IR1CT-55-72-1W-ZGY	1.25 mA	1000 mW			
LT3535IR1CT-55-72-2W-ZGY	2.5 mA	2000 mW			

High Power Series LT3535UVC

Dimension 3.5*3.5*1.6 mm

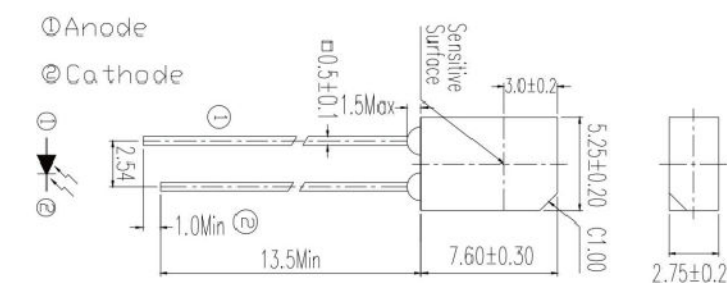


Specifications

Part No.	Package	test condition (IF)	Radiant Intensity(mW)	Wavelength(nm)	Viewing Angle(°)
LT3535UVC-KPC	SMD	80 mA	9.2 mW	275 nm	120
LT3535UVC-K1PC		40 mA	4 mW		
LT3535UVC-K1PCA1		80 mA	8 mW		

Photo Dioe Series

Dimension 5 mm

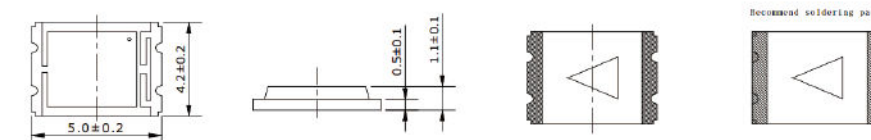


Specifications

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

Photo Dioe Series ITR2005002

Dimension 20*13*6 mm

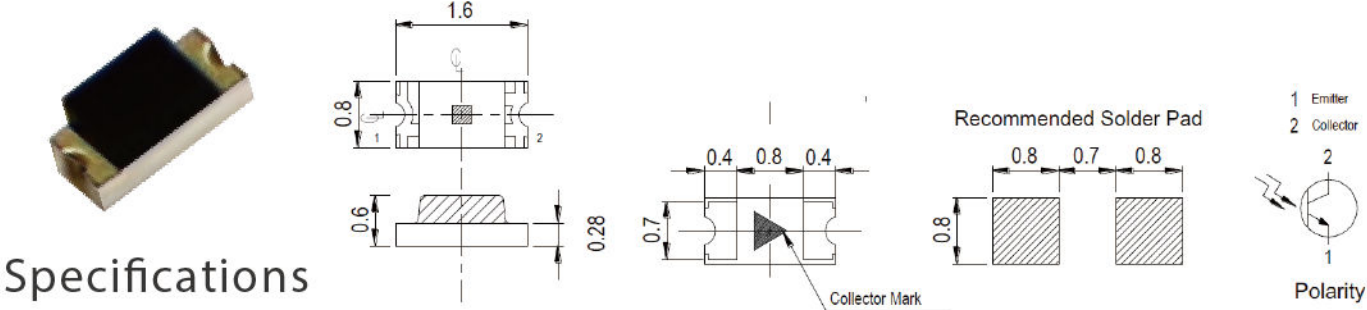


Specifications

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

Photo Transistor Series LSC1R9PD1C

Dimension 1.6*0.8*0.6 mm

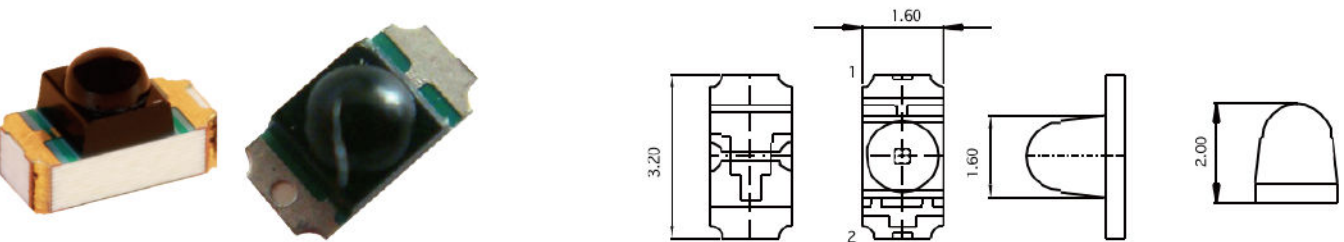


Specifications

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 _E =100μA; E _e =0 mW/cm ²	Max. Collector Dark Current I _{CEO} (nA) @V _{CE} =20V; E _e =0 mW/cm ²	Max. Collector-Emitter Saturation Voltage V _{CE(S)} (V) @I _C =2mA; E _e =1 mW/cm ²	Typ. On State Collector Current I _C (mA) @V _{CE} =5V; E _e =1 mW/cm ²	Spectral Sensitivity Wavelength λ _p (nm)		
						Min.	Typ.	Max.
LC191PTBT-HD	30	5	100	0.4	1.14	940		

Photo Transistor Series LS153PTDT

Dimension 3.2*1.6*2 mm

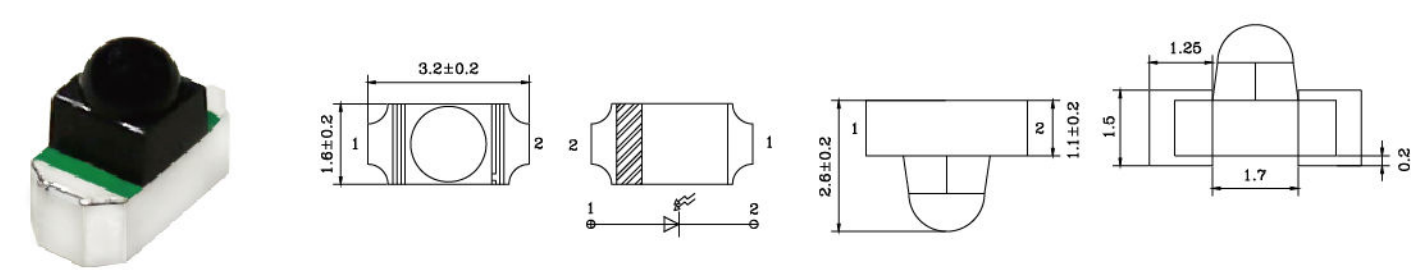


Specifications

Part No.	Package	Light Current (mA)	Wavelength (nm)	Viewing Angle(°)
L514GIR4C	SMD	2.6	900 nm ~ 940 nm	30

Photo Transistor Series LS153PTDT

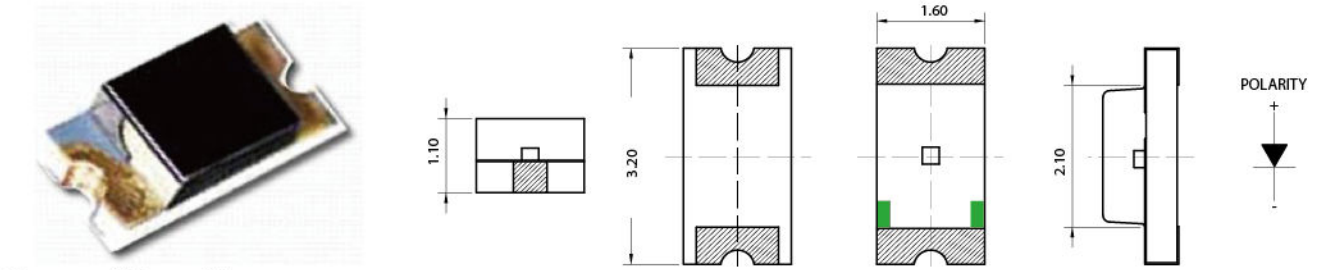
Dimension 3.2*1.6*2.6 mm



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 _E =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 =1 mW/cm ²	Typ. On State Collector Current I _C (mA) @V _{CE} =5V; E _e =1 mW/cm ²	Spectral Sensitivity Wavelength λ _p (nm)		
						Min.	Typ.	Max.
LS153PTDT-LENS -RB	30	5	30	0.4	1.0	940		

Photo Transistor Series LC150PTDT

Dimension 3.2*1.6*1.1 mm



Specifications

Part No.	Package	Light Current (mA)	Wavelength (nm)	Viewing Angle(°)
LC150PTDT	SMD	2	900 nm ~ 940 nm	120



SENSOR

Applications

- ◆ Infrared detection
- ◆ Direction sensing
- ◆ Ultraviolet disinfection
- ◆ Water / Surface / Air Sterilization

Sensor Series

L180IR1C
L180PT1D1

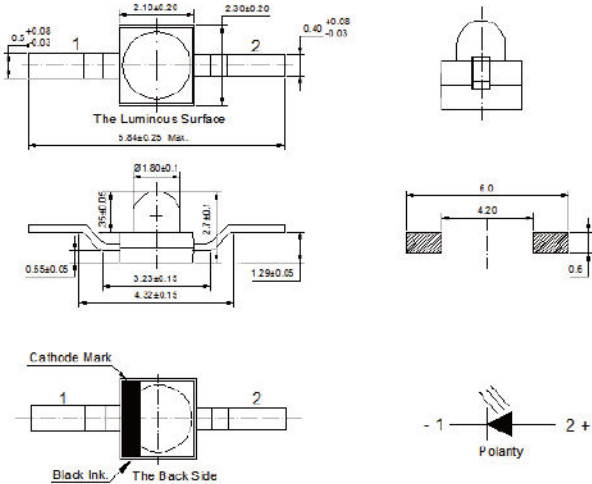
24

Sensor Series L180IR1C

Dimension 5.8*2.1*2.7 mm



Specifications



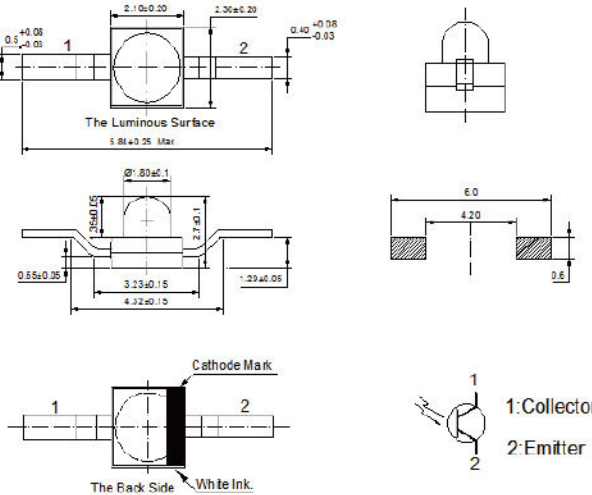
Part No.	Wavelength λ_d (nm)	Forward Current I_F (mA)	Radiant Intensity I_e (mW/sr)		Typ. Forward Voltage V_F (V)	Viewing Angle(°)
			Min.	Typ.		
L180IR1C-BKS-TR10	940 nm	20	3.0	5.0	1.4@ $I_F=20mA$ 1.6@ $I_F=100mA$	25

Sensor Series L180PT1D1

Dimension 3.2*1.6*2.6 mm



Specifications



Part No.	Package	Light Current (mA)	Wavelength (nm)	Viewing Angle(°)
L180PT1D1-BKR-TR10	SMD	20	730 nm ~ 110 nm	25





OPTICAL SWITCH

Applications

- ◆ Infrared detection
- ◆ Direction sensing
- ◆ Ultraviolet disinfection
- ◆ Water / Surface / Air Sterilization

Photointerrupter ITR 28 (Transmissive Type)

ITRLR20001
ITRLR9909
ITRLR9908
ITRL8307

Photointerrupter ITR 29 (Reflective Type)

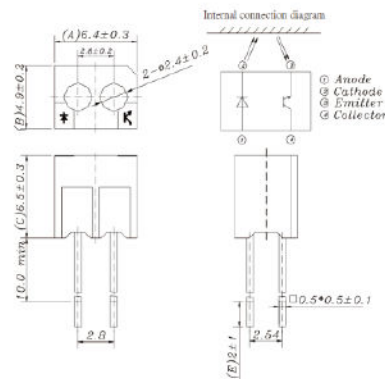
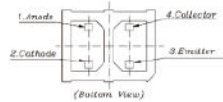
ITRLT8010
ITRLT8102
ITRLT8104
ITRLT9606
ITRLT9606-F
ITRLT9608
ITRLT9702
ITRLT9707
ITRLT9813
ITRLT20005
ITRLT152
ITRLT8105
ITRLT8402
ITRLT1150
ITRLT0502
ITRLT7054
ITRLT2423

IRM Series 36

IRM2202001
IRM1911001 / IRM1911002
IRM3743
IRM828
IRM546JF41
IRM1808001
IRM1838B

ITR (Transmissive Type) ITRLR20001

Dimension 6.4*4.9*16.5 mm

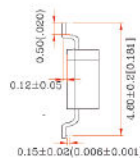
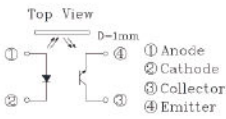
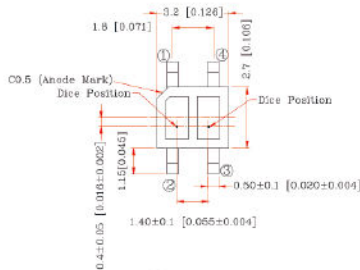


Specifications

Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLR20001	DIP	75 mW	20 mW	25 / 25

ITR (Transmissive Type) ITR8307

Dimension 3.2*2.7*1.4 mm

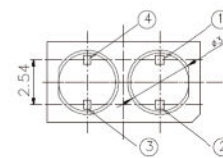


Specifications

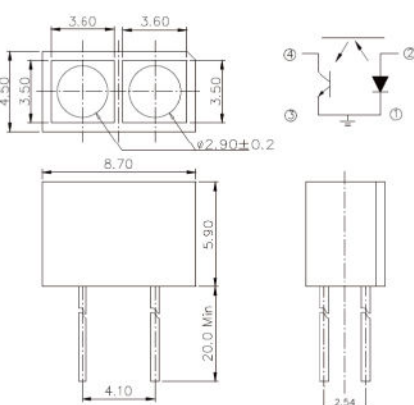
Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
ITR8307	PLCC	75 mW	75 mA	20 / 20

ITR (Transmissive Type) ITRLR9909

Dimension 6.4*4.9*16.5 mm



- ①: Cathode
- ②: Anode
- ③: Emitter
- ④: Collector

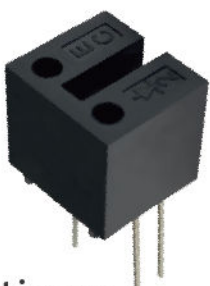


Specifications

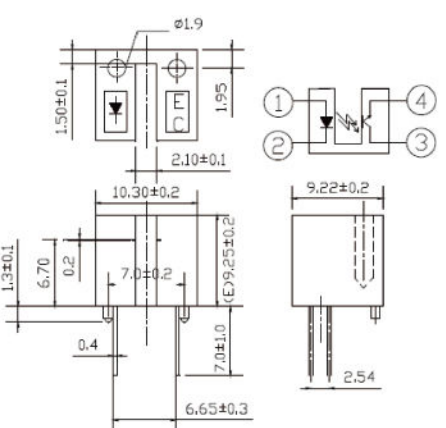
Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLR9909	DIP	100 mW	50 mA	15 / 15

ITR (Reflective Type) ITRLT8010

Dimension 13.0*6.0*20.0 mm



- ① Anode
- ② Cathode
- ③ Collector
- ④ Emitter

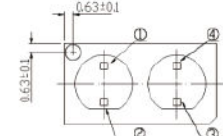


Specifications

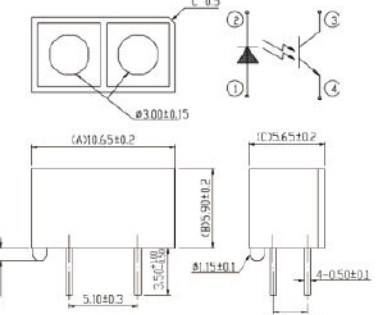
Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT8010	DIP	75 mW	20 mW	15 / 15

ITR (Transmissive Type) ITRLR9908

Dimension 10.65*5.65*9.4 mm



- ①: Anode
- ②: Cathode
- ③: Collector
- ④: Emitter

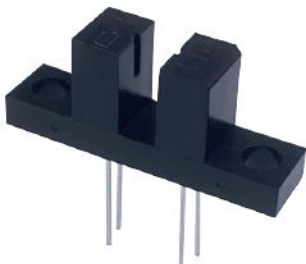


Specifications

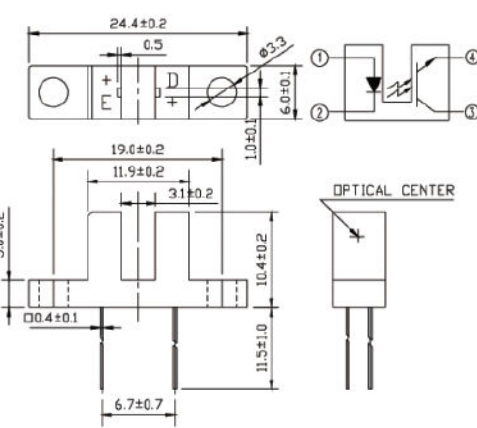
Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLR9908	DIP	75 mW	75 mW	15 / 15

ITR (Reflective Type) ITRLT8102

Dimension 24.4*6.0*21.9 mm



- ① Anode
- ② Cathode
- ③ Collector
- ④ Emitter

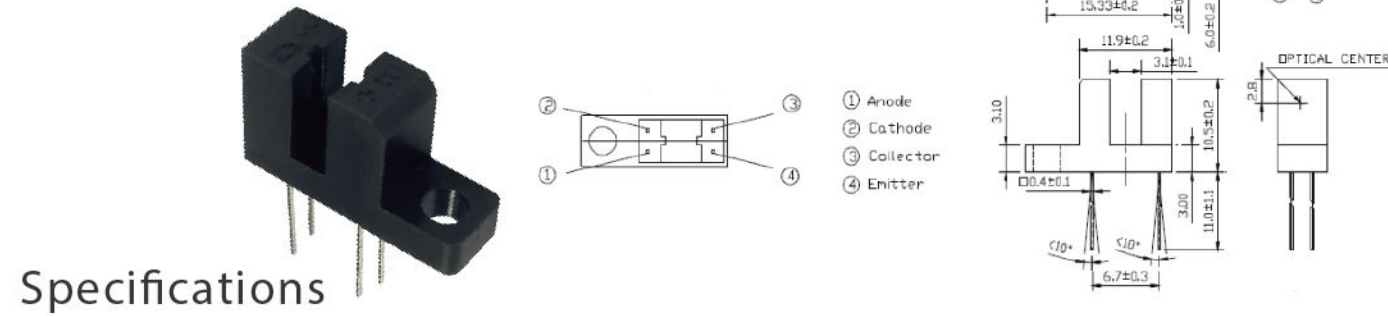


Specifications

Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT8102	DIP	75 mW	30 mW	15 / 15

ITR (Reflective Type) ITRLT8104

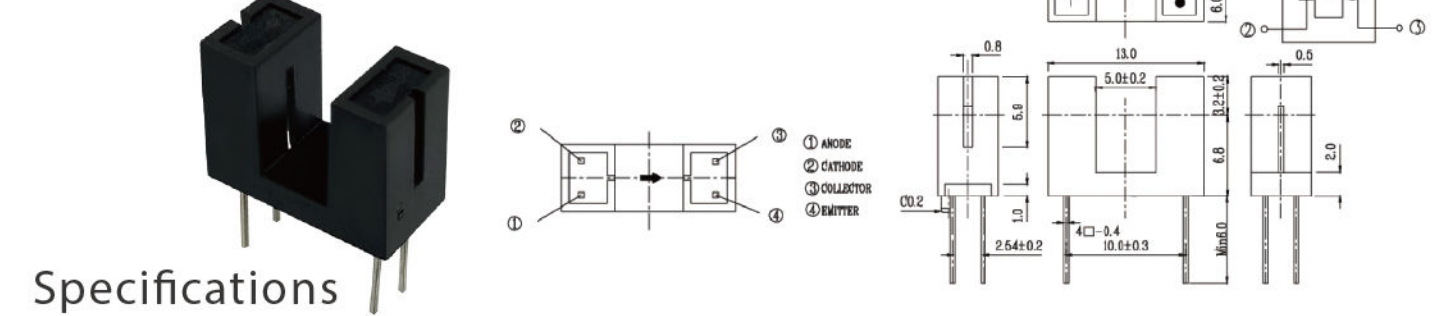
Dimension 18.1*6.0*21.5 mm



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT8104	DIP	75 mW	20 mA	15 / 15

ITR (Reflective Type) ITRLT9608

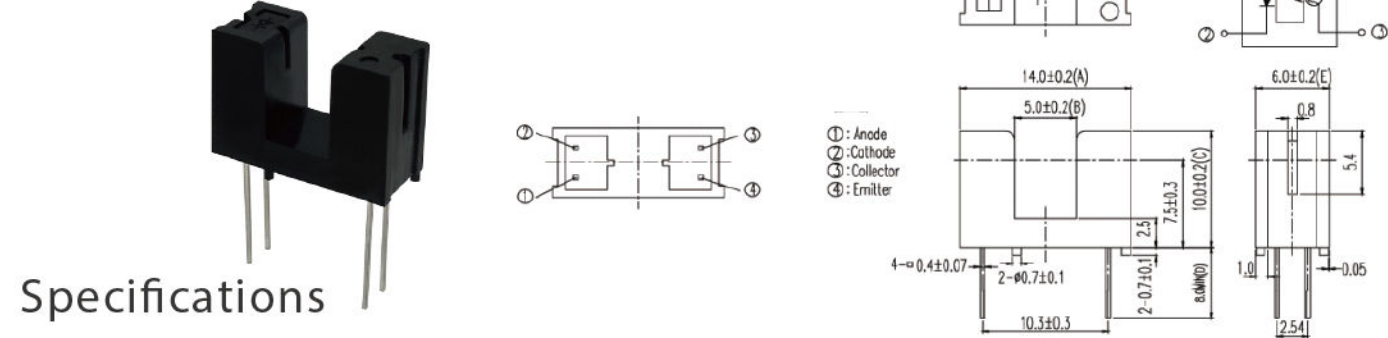
Dimension 13.0*6.0*12.8 mm



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT9608	DIP	75 mW	20 mW	15 / 15

ITR (Transmissive Type) ITRLT9606

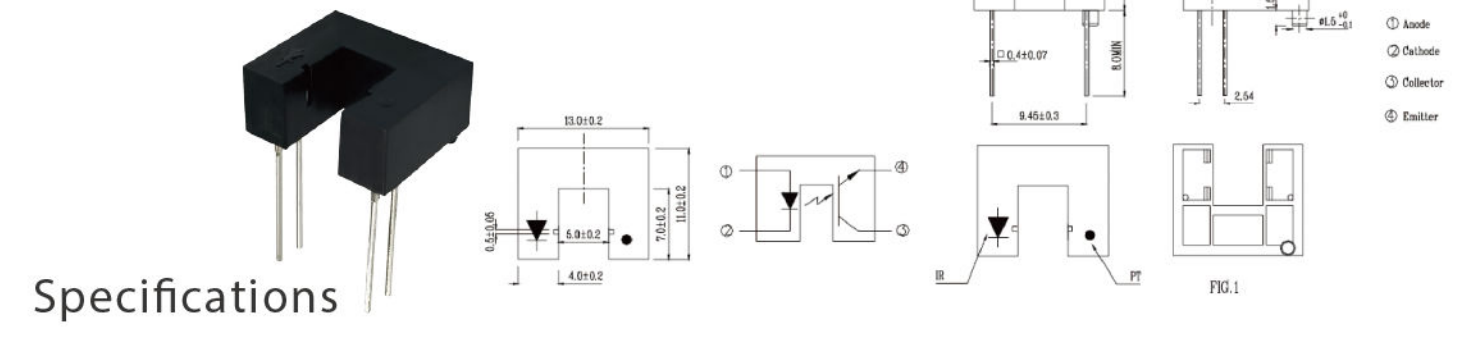
Dimension 3.2*2.7*1.4 mm



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT9606	DIP	100 mW	50 mA	15 / 15

ITR (Reflective Type) ITRLT9702

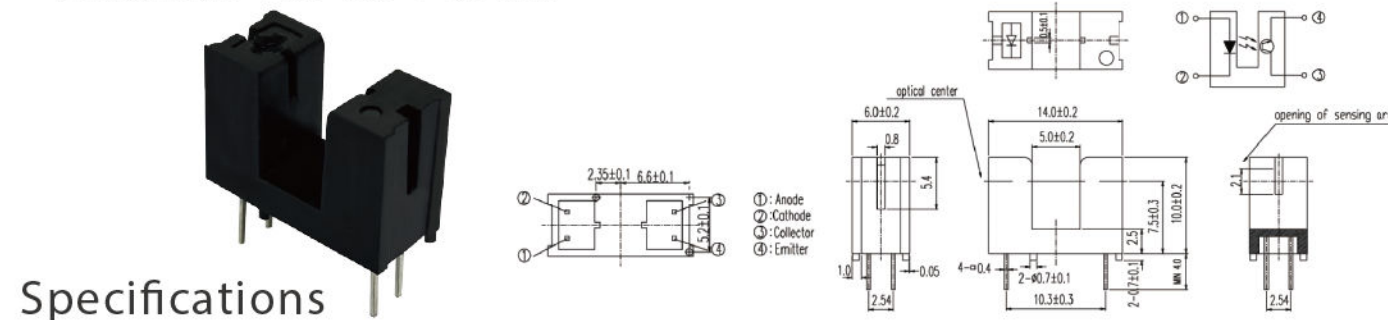
Dimension 13.0*11.0*14.0 mm



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT9702	DIP	75 mW	20 mA	15 / 15

ITR (Transmissive Type) ITRLT9606-F

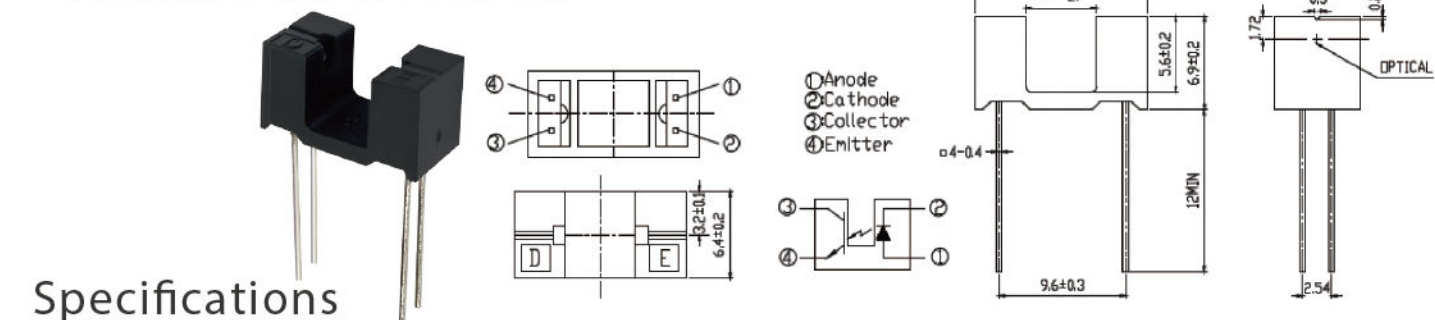
Dimension 14.0*6.0*14.0 mm



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT9606-F	DIP	75 mW	20 mW	15 / 15

ITR (Reflective Type) ITRLT9707

Dimension 12.8*6.4*18.9 mm

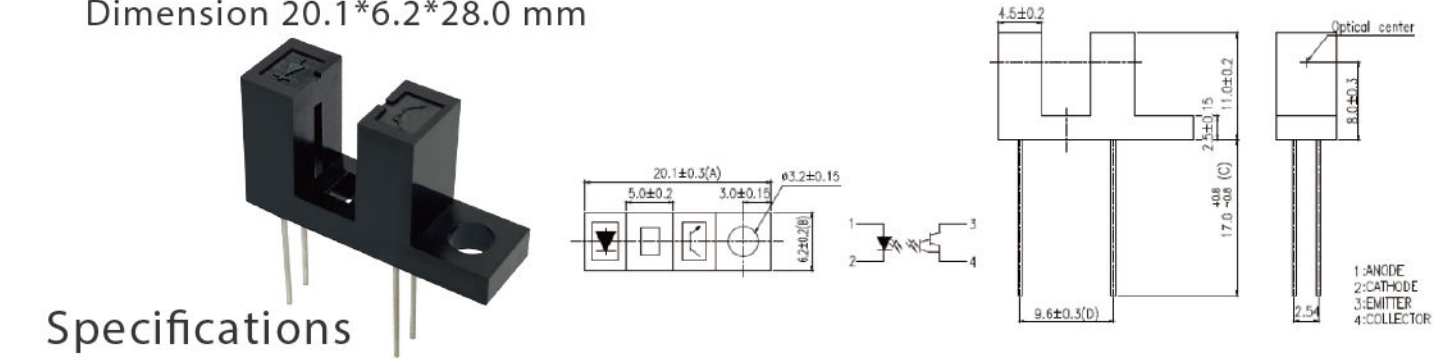


Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT9707	DIP	75 mW	20 mA	15 / 15

ITR (Reflective Type) ITRLT9813

Dimension 20.1*6.2*28.0 mm

Specifications

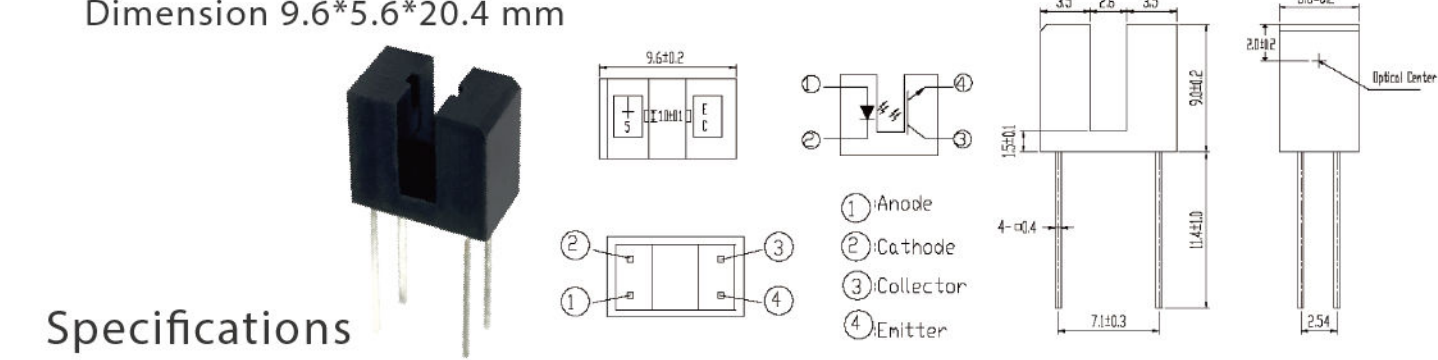


Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT9813	DIP	75 mW	20 mW	15 / 15

ITR (Reflective Type) ITRLT8105

Dimension 9.6*5.6*20.4 mm

Specifications



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT8105	DIP	75 mW	20 mA	15 / 15

ITR (Transmissive Type) ITRLT20005

Dimension 23.75*12.95*18.29 mm

Specifications

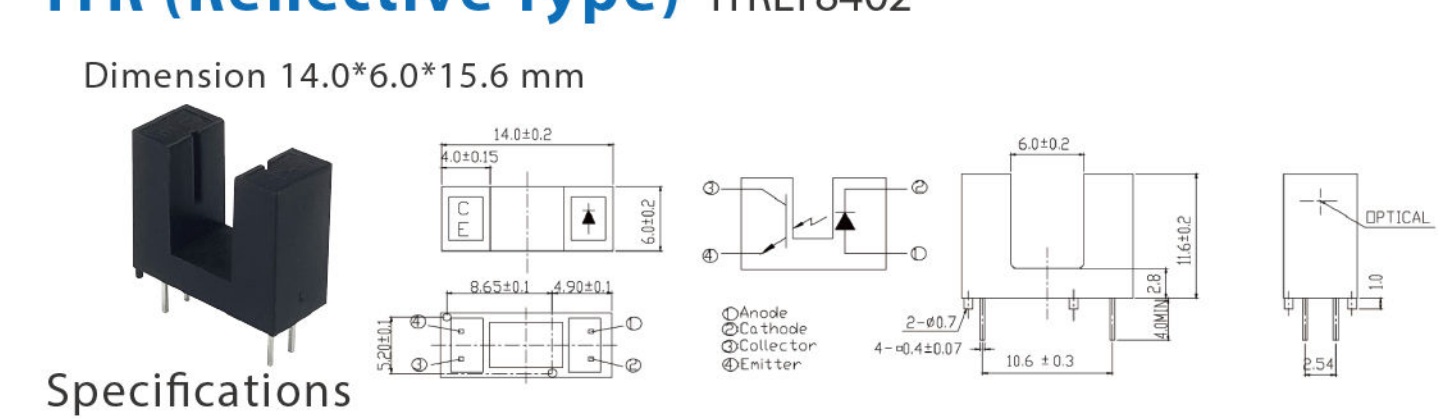


Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT2005	DIP	75 mW	20 mW	15 / 15

ITR (Reflective Type) ITRLT8402

Dimension 14.0*6.0*15.6 mm

Specifications

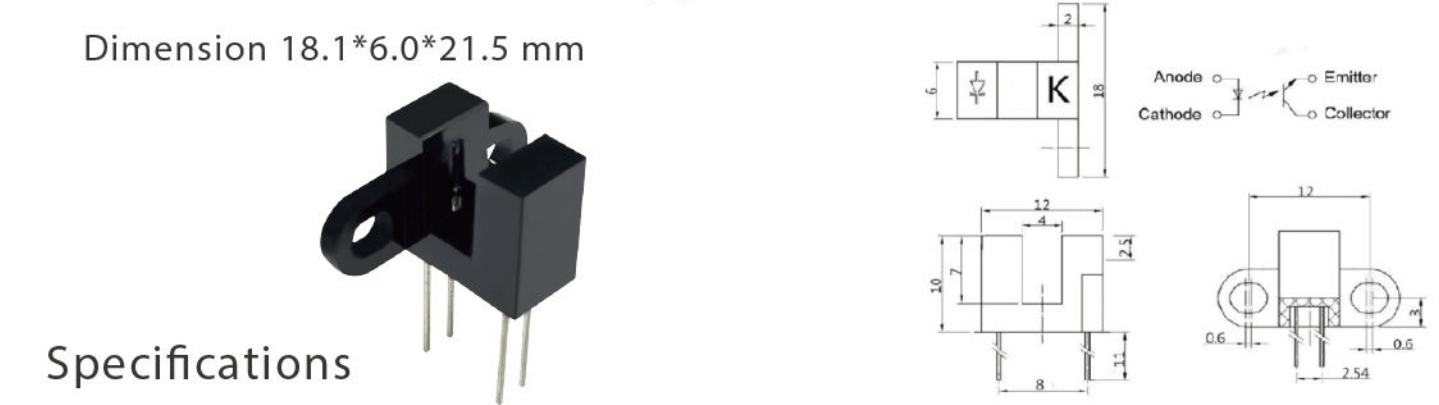


Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT8402	DIP	75 mW	20 mW	15 / 15

ITR (Transmissive Type) ITRLT152

Dimension 18.1*6.0*21.5 mm

Specifications

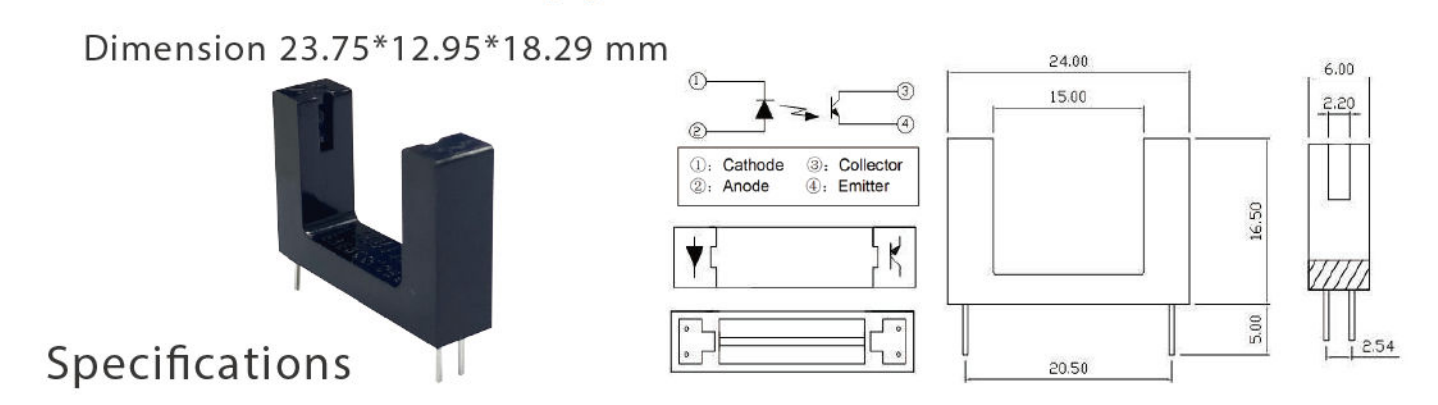


Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT152	DIP	75 mW	20 mA	15 / 15

ITR (Reflective Type) ITRLT1150

Dimension 23.75*12.95*18.29 mm

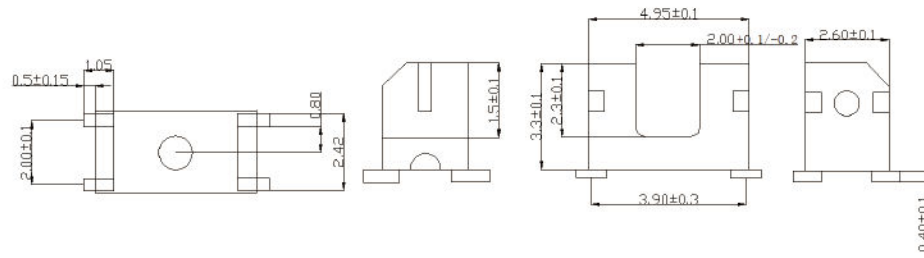
Specifications



Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT1150	DIP	75 mW	75 mW	15 / 15

ITR (Reflective Type) ITRLT0502

Dimension 4.95*2.6*3.3 mm

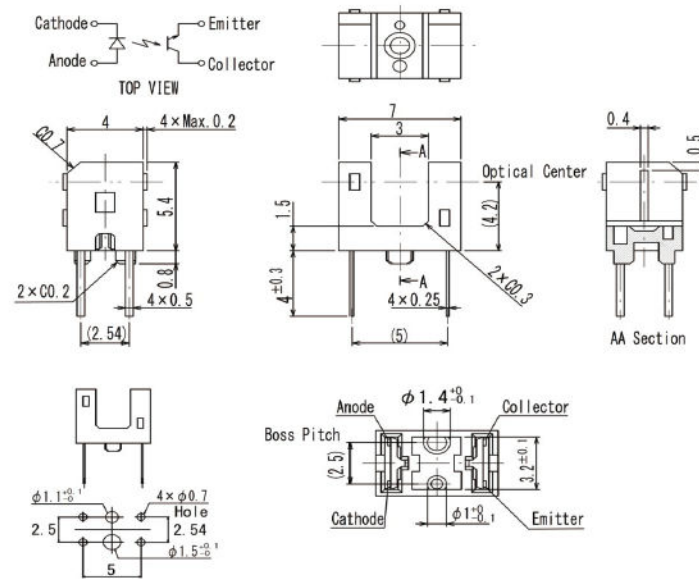


Specifications

Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT0502	DIP	75 mW	20 mW	15 / 15

ITR (Reflective Type) ITRLT7054

Dimension 7.0*4.0*9.4 mm

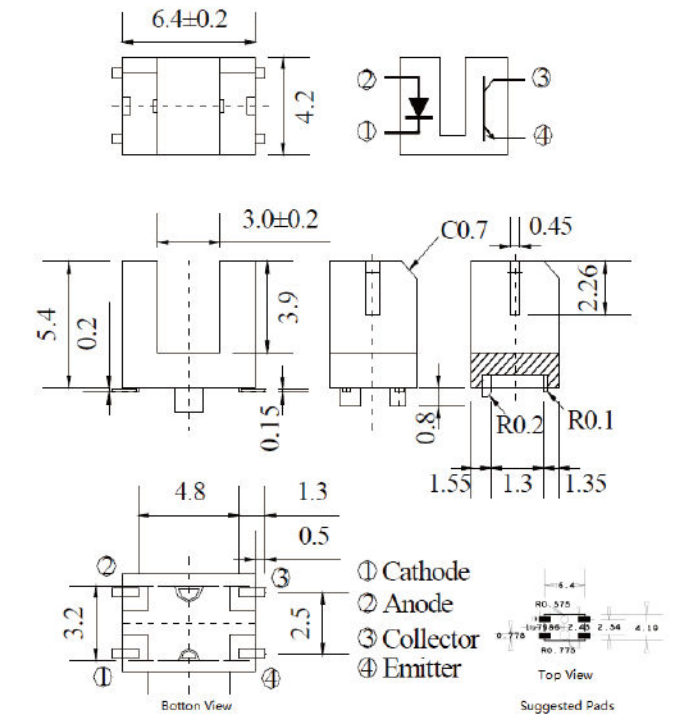


Specifications

Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT7054	DIP	75 mW	20 mA	15 / 15

ITR (Reflective Type) ITRLT2423

Dimension 6.4*4.2*6.2 mm

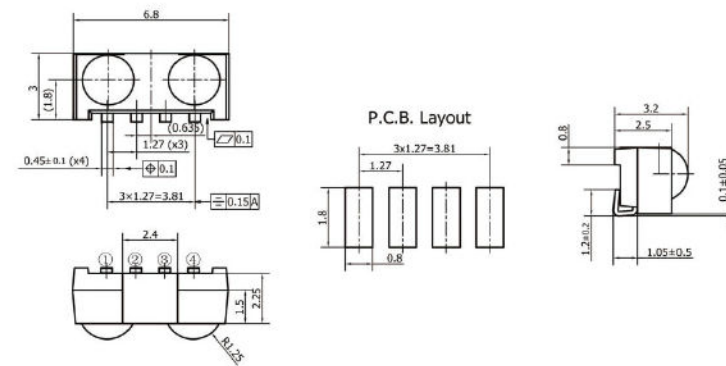


Specifications

Part No.	Package	Input (Emitter)	Output (Detector)	Tr / Tf (μs)
PA-ITRLT2423	DIP	75 mW	20 mA	15 / 15

IRM Series IRM2202001

Dimension 6.8*3.2*3.0 mm

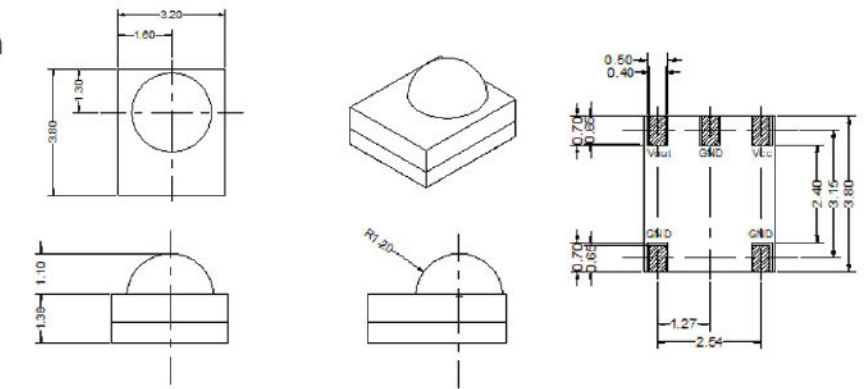


Specifications

Part No.	Package	Vcc (V)	Fo (KHz)	λP (nm)
PL-IRM2202001	SMD	2.7 - 5.5	37.9	940

IRM Series IRM3743

Dimension 3.2*3.8*2.48 mm

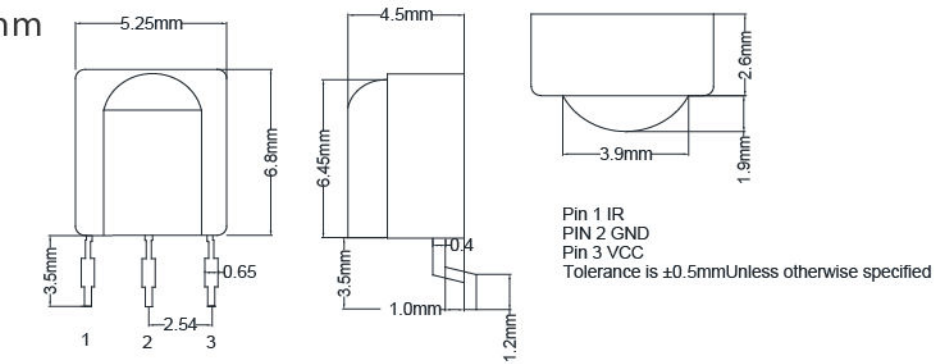


Specifications

Part No.	Package	Vcc (V)	Fo (KHz)	λP (nm)
PS-IRM3743-06K	SMD	2.7 - 5.5	37.9	940

IRM Series IRM828

Dimension 5.25*6.8*4.5 mm

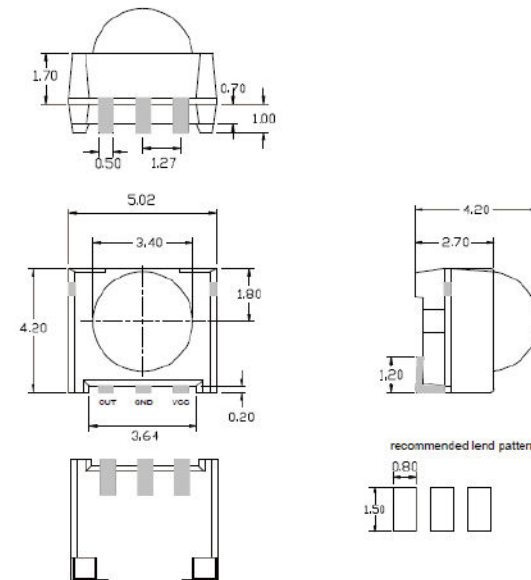


Specifications

Part No.	Package	Vcc (V)	Fo (KHz)	λP (nm)
PL-IRM828-S69	Tapping	2.7 - 5.5	37.9	940

IRM Series IRM1911

Dimension 5.02*4.2*4.2 mm

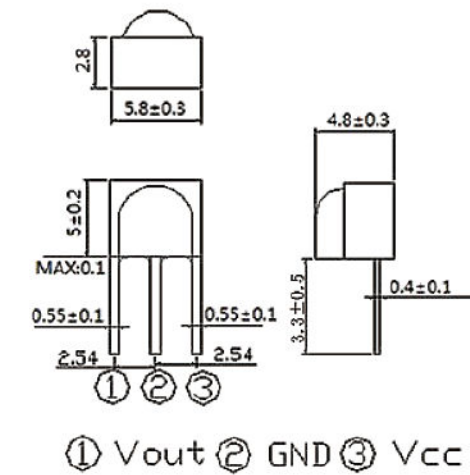


Specifications

Part No.	Package	Vcc (V)	Fo (KHz)	λP (nm)
PL-IRM1911001	SMD	2.7 - 5.5	38	940
PL-IRM1911002				

IRM Series IRM546

Dimension 5.8*5.0*4.8 mm

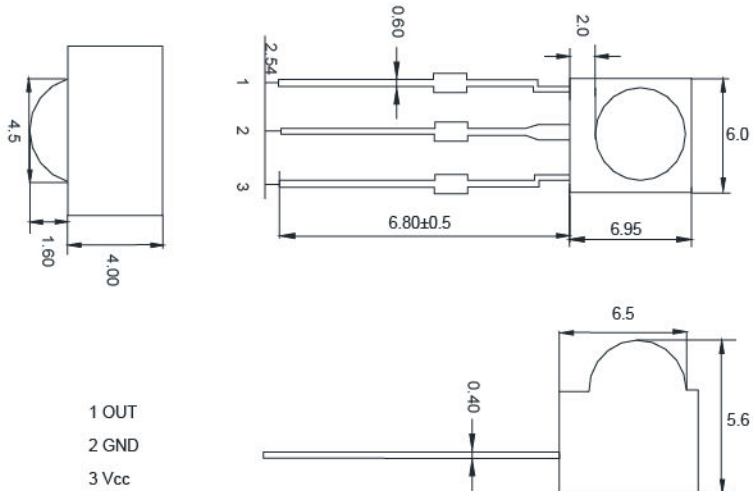


Specifications

Part No.	Package	Vcc (V)	Fo (KHz)	λP (nm)
PL-IRM546JF41-S20	Tapping	2.7 - 5.5	37.9	940

IRM Series IRM1808001

Dimension 6.0*6.95*5.6 mm

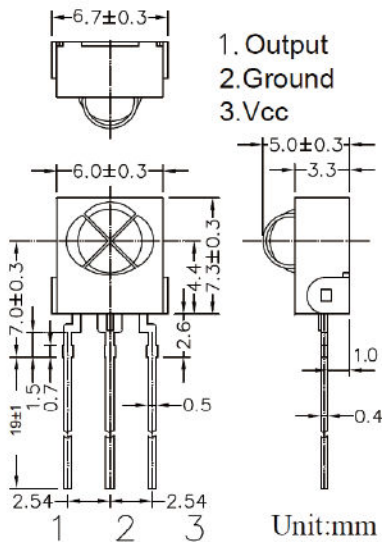


Specifications

Part No.	Package	Vcc (V)	Fo (KHz)	λP (nm)
PL-IRM1808001	Tapping	2.7 - 5.5	38	940

IRM Series IRM1838B

Dimension 6.7*7.3*5.0 mm



Specifications

Part No.	Package	Vcc (V)	Fo (KHz)	λP (nm)
PL-IRM1838B	Tapping	2.7 - 5.5	37.9	-





UV LED

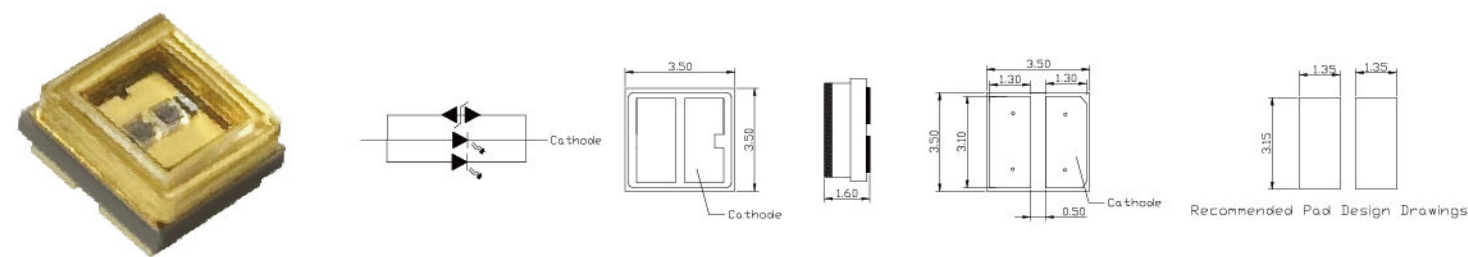
Applications

- ◆ Ultraviolet disinfection
- ◆ Phototherapy
- ◆ Bio- Analysis / Detection
- ◆ General use

LT3535UVC		42
KPCA1		
KCCM		
KPCM		
LT5050UVC		43
XPC		
XPCA1		
LT3535UVC+UVA		43
K1PCG		

LT3535UVC KPCA1

Dimension 3.5*3.5*1.6 mm

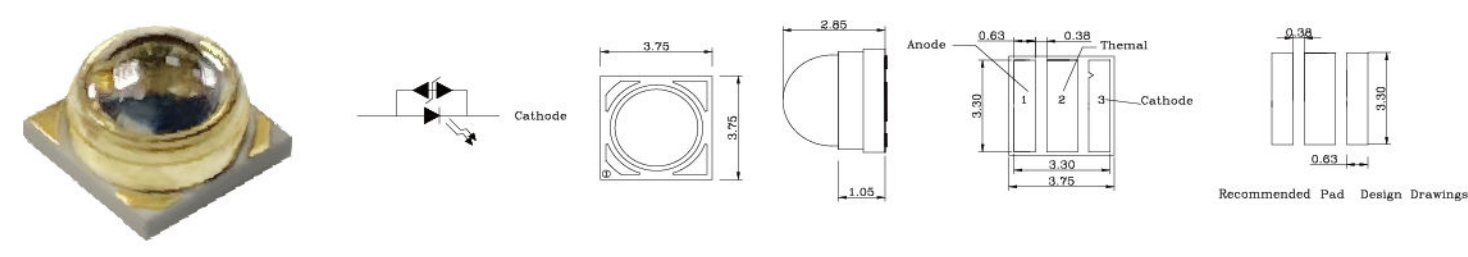


Specifications

Part No.	Package	test condition (IF)	Radiant Intensity(mW)	Wavelength(nm)	Viewing Angle(°)
LT3535UVC-KPCA1	SMD	150 mA	18.4 mW	275 nm	120

LT3535UVC KCCM

Dimension 3.5*3.5*1.6 mm

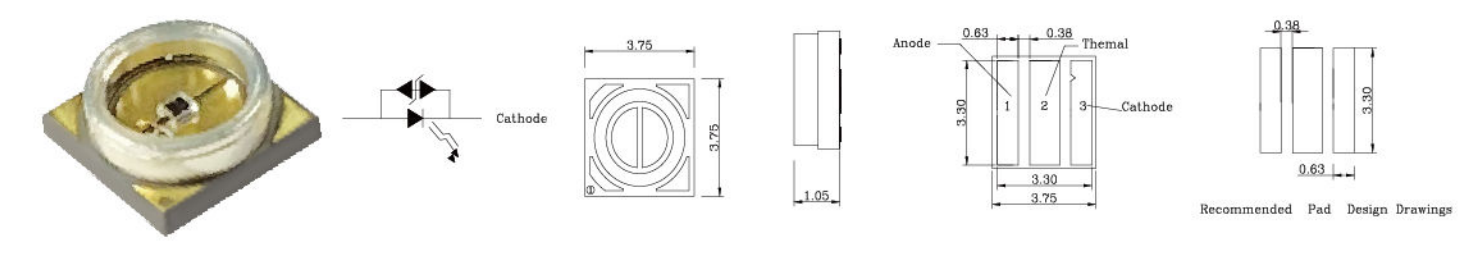


Specifications

Part No.	Package	test condition (IF)	Radiant Intensity(mW)	Wavelength(nm)	Viewing Angle(°)
LT3535UVC-KCCM	SMD	100 mA	20 mW	275 nm	60

LT3535UVC KPCM

Dimension 3.5*3.5*1.6 mm

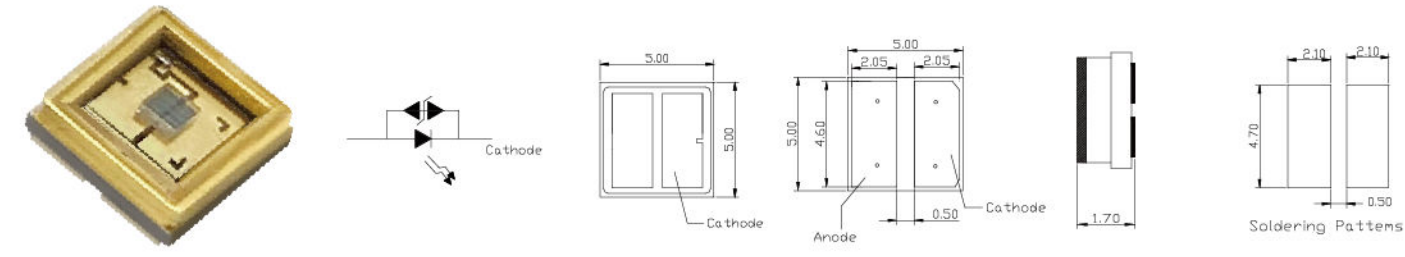


Specifications

Part No.	Package	test condition (IF)	Radiant Intensity(mW)	Wavelength(nm)	Viewing Angle(°)
LT3535UVC-KPCM	SMD	100 mA	15 mW	275 nm	120

LT5050UVC XPC

Dimension 5.0*5.0*1.7 mm

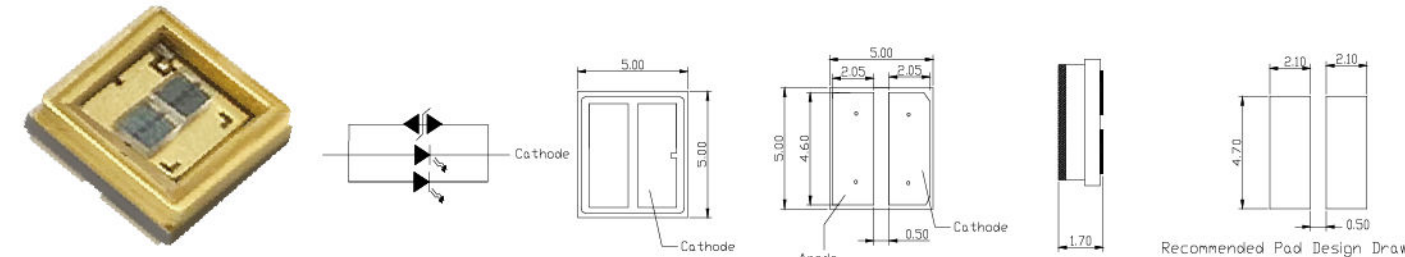


Specifications

Part No.	Package	test condition (IF)	Radiant Intensity(mW)	Wavelength(nm)	Viewing Angle(°)
LT5050UVC-XPC	SMD	350 mA	28 mW	275 nm	120

LT5050UVC XPCA1

Dimension 5.0*5.0*1.7 mm

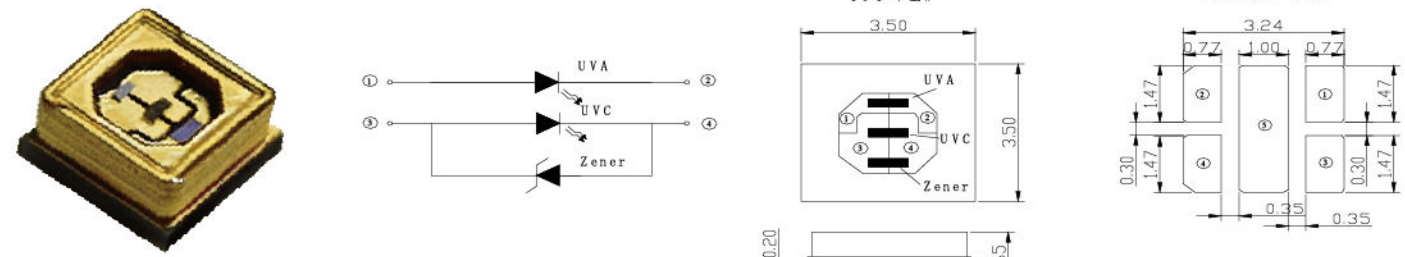


Specifications

Part No.	Package	test condition (IF)	Radiant Intensity(mW)	Wavelength(nm)	Viewing Angle(°)
LT5050UVC-XPCA1	SMD	600 mA	80 mW	275 nm	120

LT3535UVC+UVA K1PCG

Dimension 3.5*3.5*1.65 mm



Specifications

Part No.	Package	test condition (IF)	Radiant Intensity(mW)	Wavelength(nm)	Viewing Angle(°)
LT3535UVCA-K1PCG	SMD	40 mA / 150 mA	4.0 mW / 120 mW	280 nm / 410 nm	120

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