



*PARA LIGHT*

## LED Component

SMD & PLCC



**PARA LIGHT ELECTRONICS CO., LTD.**

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# Company Profile

- Established in 1987
- Chairman : Mr. David Ma
- 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 furthur appliance such as UV sensor, LED back light, integrated light moudule, 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.

### Taiwan HQ



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# Quality Certification



IATF16949

ISO9001

ISO14001



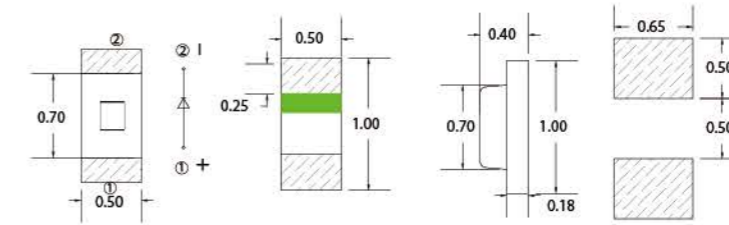
0402 / 0603

Top View Series



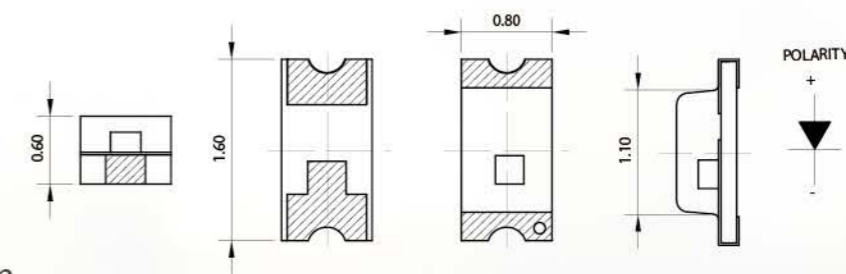
Application

- Control Panel
- Back Light
- Indicator
- IoT Application
- Medical Application
- LED Lighting



0402 LC 292  
1.0 x 0.5 x 0.3 mm

Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C292LBCT-5A-YY	Blue	465	Water Clear	50	120	2.8	5
L-C292LGCT-5A-YY	Green	520	Water Clear	200	120	2.8	5
L-C292JGCT-YY	Yellow Green	570	Water Clear	35	120	2	20
L-C292JYCT-YY	Yellow	590	Water Clear	120	120	2	20
L-C292JFCT-YY	Orange	605	Water Clear	120	120	2	20
L-C292QRCT-YY	Super Red	625	Water Clear	150	120	2	20
LC292WDT-5A-YY	White	(0.2519, 0.2555)	Yellow Diffused	200	120	2.8	5



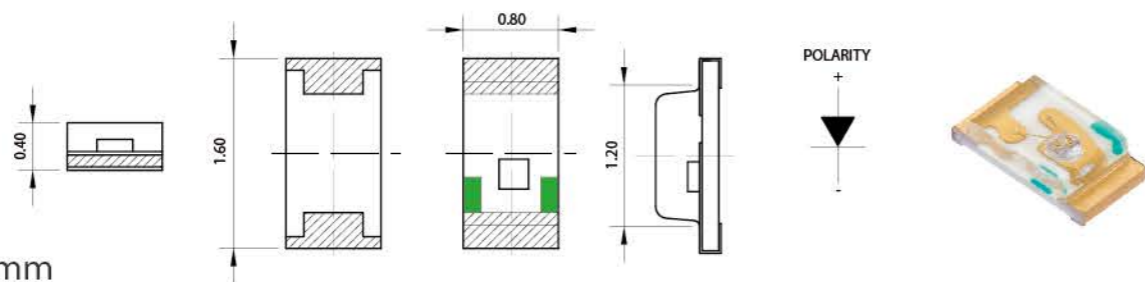
0603 LC 191  
1.6 x 0.8 x 0.4 mm

Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C191LBCT	Blue	465	Water Clear	90	130	3	20
L-C191LGCT	Green	525	Water Clear	400	130	3	20
L-C191JGCT	Yellow Green	570	Water Clear	30	130	2	20
L-C191JYCT	Yellow	590	Water Clear	80	130	1.9	20
L-C191JFCT	Orange	605	Water Clear	80	130	1.95	20
L-C191JRCT	Super Red	630	Water Clear	50	130	1.9	20
L-C191WDT	White	(0.30, 0.30)	Yellow Diffused	450	130	3	20

0603

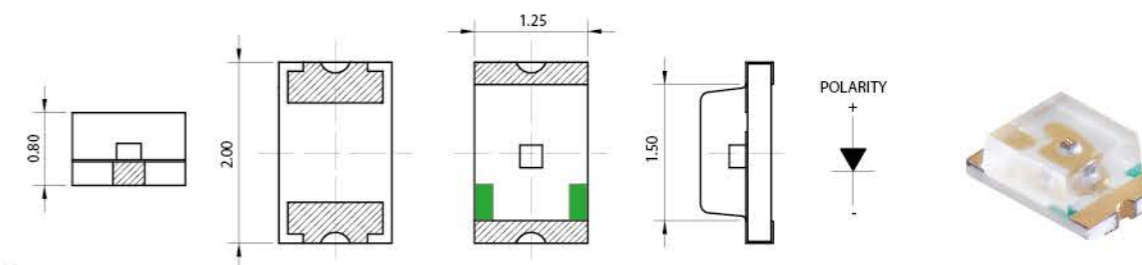
0805 / 1206

0603 LC 192  
1.6 x 0.8 x 0.4 mm



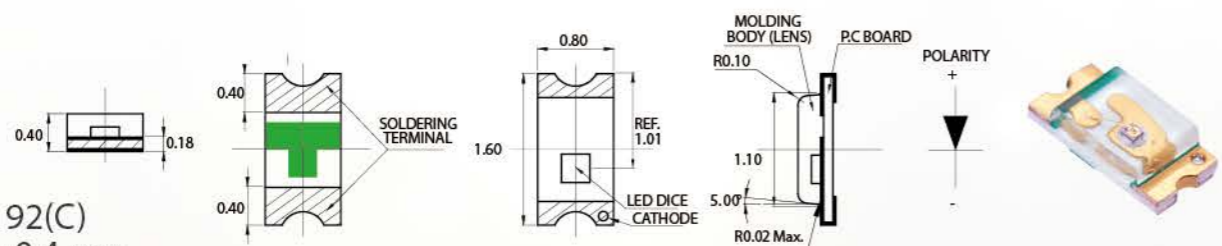
Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C192LBCT	Blue	465	Water Clear	90	130	3	20
L-C192LGCT	Green	520	Water Clear	400	130	3	20
L-C192JGCT	Yellow Green	570	Water Clear	30	130	2	20
L-C192JYCT	Yellow	590	Water Clear	80	130	1.9	20
L-C192JFCT	Orange	605	Water Clear	80	130	1.95	20
L-C192JRCT	Super Red	625	Water Clear	50	130	1.9	20
L-C192WDT	White	(0.30, 0.30)	Yellow Diffused	450	130	3	20

0805 LC 170  
2.0 x 1.25 x 0.8 mm



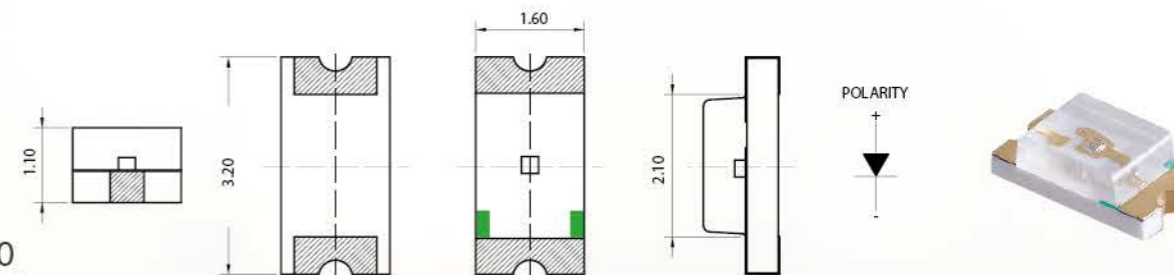
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L-C170LBCT	Blue	465	Water Clear	100	130	3	20
L-C170LGCT	Green	525	Water Clear	500	130	3	20
L-C170JGCT	Yellow Green	570	Water Clear	40	130	2	20
L-C170JYCT	Yellow	590	Water Clear	90	130	1.9	20
L-C170JFCT	Orange	605	Water Clear	90	130	1.95	20
L-C170JRCT	Super Red	630	Water Clear	60	130	1.9	20
L-C170WDT	White	(0.30, 0.30)	Yellow Diffused	550	130	3	20

0603 LC 192(C)  
1.6 x 0.8 x 0.4 mm



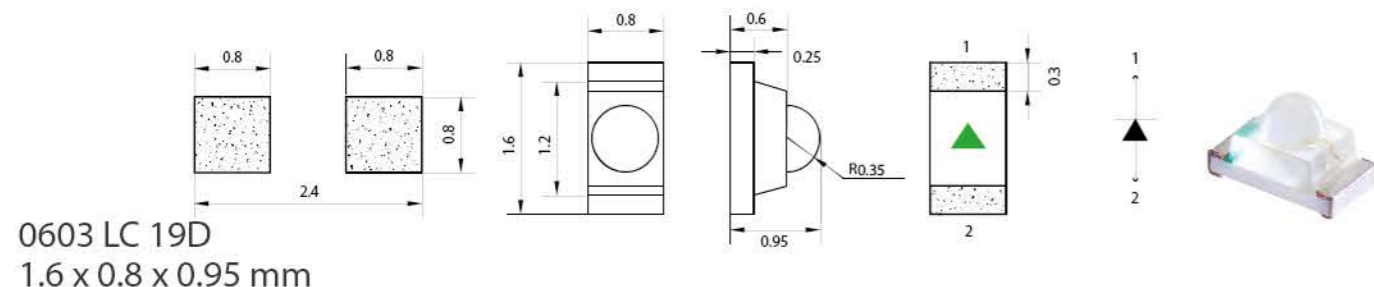
Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C192CBCT	Blue	465	Water Clear	90	130	3	20
L-C192CGCT	Yellow Green	570	Water Clear	30	130	2	20
L-C192CYCT	Yellow	590	Water Clear	80	130	1.9	20
L-C192CFCT	Orange	605	Water Clear	80	130	1.95	20
L-C192CRCT	Super Red	630	Water Clear	50	130	1.9	20
L-C192CWDT	White	(0.30, 0.30)	Yellow Diffused	450	130	3	20

1206 LC 150  
3.2 x 1.6 x 1.1 mm



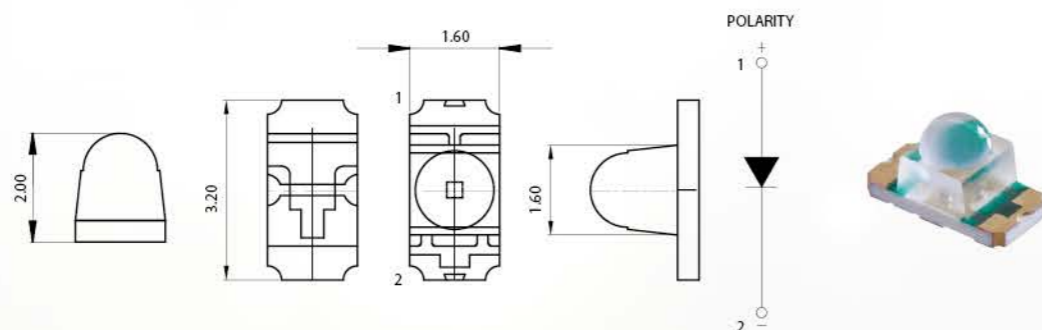
Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C150LBCT	Blue	465	Water Clear	120	130	3	20
L-C150LGCT	Green	525	Water Clear	550	130	3	20
L-C150JGCT	Yellow Green	570	Water Clear	60	130	2	20
L-C150JYCT	Yellow	590	Water Clear	110	130	1.9	20
L-C150JFCT	Orange	605	Water Clear	110	130	1.95	20
L-C150JRCT	Super Red	630	Water Clear	70	130	1.9	20
L-C150WDT	White	(0.30, 0.30)	Yellow Diffused	650	130	3	20

0603 / 1206 with Dome Lens



0603 LC 19D  
1.6 x 0.8 x 0.95 mm

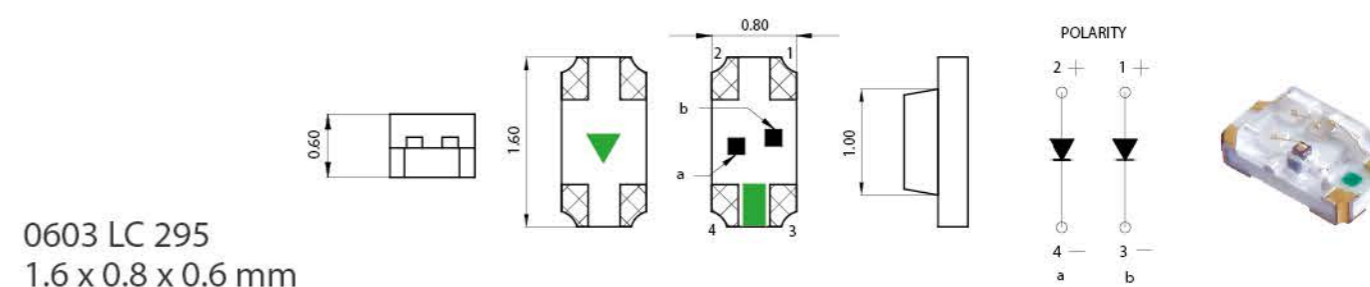
Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C19DLBCT	Blue	465	Water Clear	300	30	3	20
L-C19DLGCT	Green	525	Water Clear	1700	30	3	20
L-C19DJYCT	Yellow	590	Water Clear	300	30	1.9	20
L-C19DJECT	Orange	620	Water Clear	300	30	1.9	20



1206 LC 153(C)  
3.2 x 1.6 x 2.0 mm

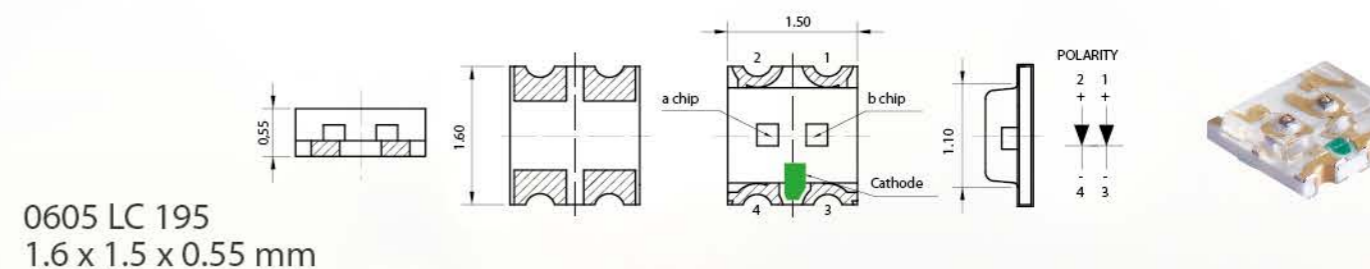
Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C153LBCT-HD	Blue	465	Water Clear	2500	15	3	20
L-C153LGCT-HD	Green	525	Water Clear	5700	15	3	20
L-C153KGCT-HD	Yellow Green	570	Water Clear	550	15	2	20
L-C153KYCT-HD	Yellow	590	Water Clear	2500	15	1.9	20
L-C153KRCT-HD	Super Red	630	Water Clear	2500	15	1.9	20

0603 / 0605 Dual Color



0603 LC 295  
1.6 x 0.8 x 0.6 mm

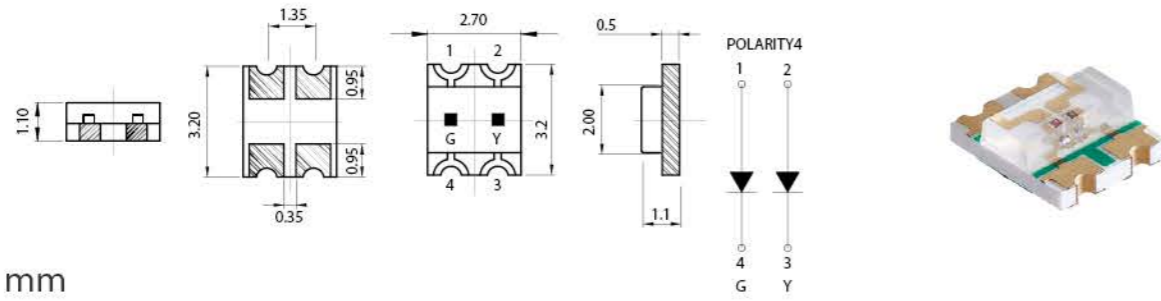
Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C295JRJGCT	Super Red	630	Water Clear	50	130	1.9	20
	Yellow Green	570	Water Clear	30	130	2	20
L-C295JYJGCT	Yellow	590	Water Clear	80	130	1.9	20
	Yellow Green	570	Water Clear	30	130	2	20
L-C295LGJYCT	Green	525	Water Clear	400	130	3	20
	Yellow	590	Water Clear	80	130	1.9	20
L-C295JRLBCT	Super Red	630	Water Clear	50	130	1.9	20
	Blue	465	Water Clear	90	130	3	20
L-C295JRWDT	Super Red	630	Yellow Diffused	50	130	1.9	20
	White	(0.325, 0.30)	Yellow Diffused	450	130	3	20



0605 LC 195  
1.6 x 1.5 x 0.55 mm

Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C195JRJGCT	Super Red	630	Water Clear	50	130	1.9	20
	Yellow Green	570	Water Clear	30	130	2	20
L-C195JYJGCT	Yellow Green	572	Water Clear	30	130	2	20
	Yellow	590	Water Clear	80	130	1.9	20
L-C195LGJYCT	Yellow Green	570	Water Clear	30	130	2	20
	Yellow	590	Water Clear	80	130	1.9	20
L-C195JRLBCT	Super Red	631	Water Clear	50	130	1.9	20
	Blue	465	Water Clear	90	130	3	20
L-C195JRLGCT	Super Red	630	Water Clear	50	130	1.9	20
	Green	525	Water Clear	400	130	3	20
L-C195JRWDT	Super Red	630	Yellow Diffused	50	130	1.9	20
	White	(0.28, 0.25)	Yellow Diffused	450	130	3	20

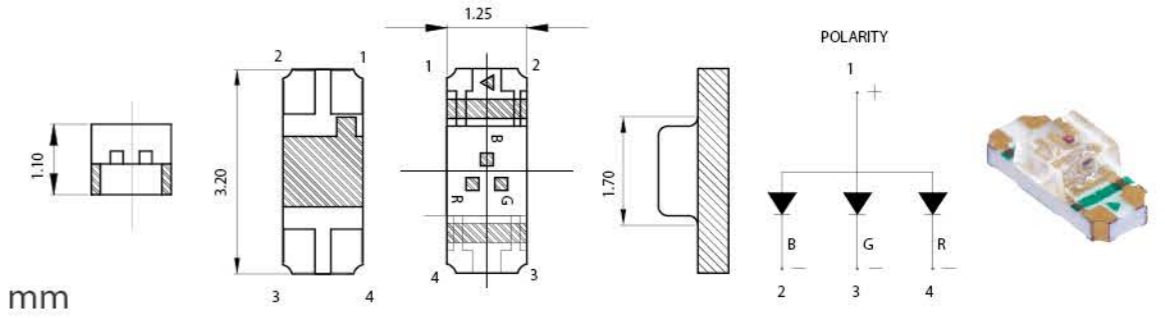
### 1206 Dual Color / 0606 RGB



1206 LC 155  
3.2 x 2.7 x 1.1 mm

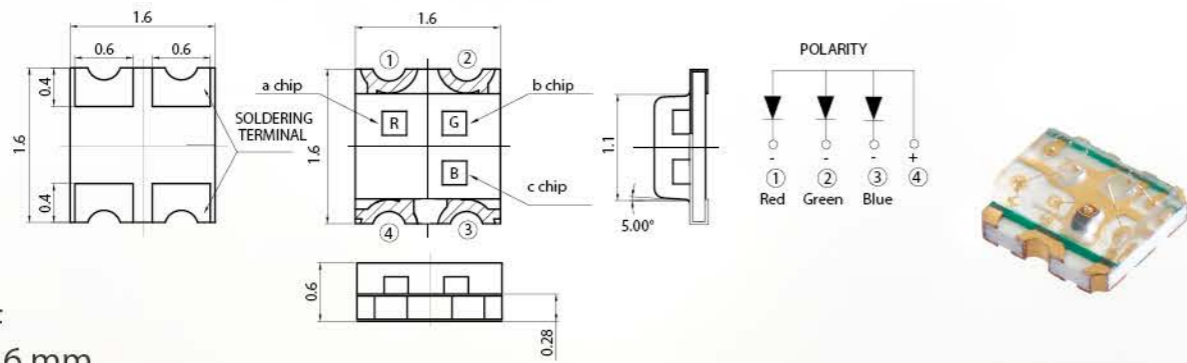
Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C155LBJCT-HD	Blue	465	Water Clear	120	130	3	20
	Orange Red	625	Water Clear	120	130	1.95	20
L-C155JRJCT-HD	Yellow Green	570	Water Clear	60	130	2	20
	Super Red	630	Water Clear	70	130	1.9	20

### 1206 RGB



1206 LC 15F  
3.2 x 1.25 x 1.1 mm

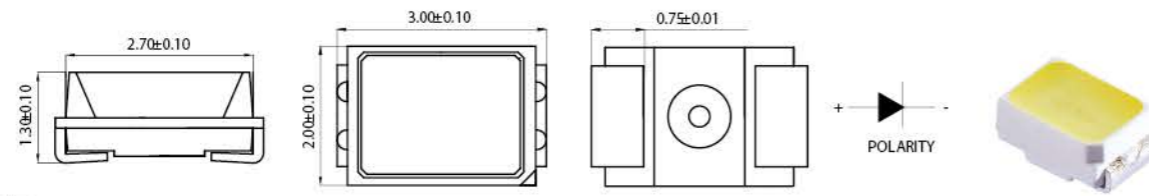
Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C15F1RGBCT-HD	Super Red	630	Water Clear	70	130	1.9	20
	Green	525	Water Clear	550	130	3	20
	Blue	465	Water Clear	120	130	3	20



0606 LC 19F  
1.6 x 1.6 x 0.6 mm

Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C19F1RGBCT-CA	Super Red	630	Water Clear	50	130	1.9	20
	Green	525	Water Clear	400	130	3	20
	Blue	465	Water Clear	90	130	3	20
L-C19F1RGBCT-CC	Super Red	630	Water Clear	50	130	1.9	20
	Green	525	Water Clear	400	130	3	20
	Blue	465	Water Clear	90	130	3	20

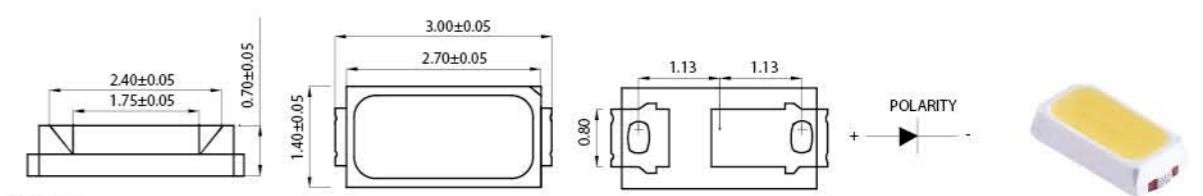
3020 / 3525 / 2835 PLCC White



3020 LT 650WDT  
3.0 x 2.0 x 1.3 mm

Part No.	Color	CCT(K)	Lens Type	Typ. Luminous Intensity I <sub>v</sub> (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V <sub>F</sub> (V)	Forward Current I <sub>F</sub> (mA)
LT650WDT	White	7000 ~ 9000	Yellow Diffused	2000	120	3	20
LT650WDT-NW1	White	4000 ~ 5000	Yellow Diffused	2000	120	3	20
LT650WDT-WW2	White	2500 ~ 3000	Yellow Diffused	1800	120	3	20

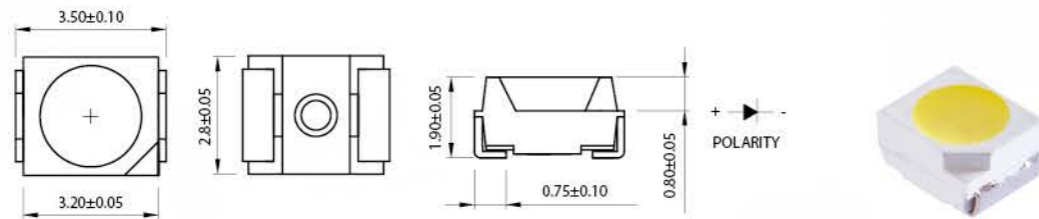
3014 / 5050 PLCC White



3014 LT 3014WDT  
3.0 x 1.4 x 0.7 mm

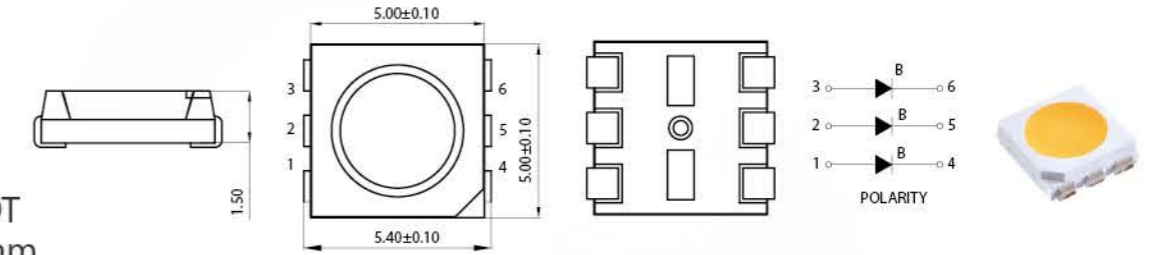
Part No.	Color	CCT(K)	Lens Type	Typ. Luminous Intensity I <sub>v</sub> (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V <sub>F</sub> (V)	Forward Current I <sub>F</sub> (mA)
L-T3014CWDT	White	5500 ~ 6500	Yellow Diffused	3000	120	3	20
L-T3014NWDT	White	4000 ~ 5000	Yellow Diffused	3400	120	3	20
L-T3014WWDT	White	2850 ~ 3250	Yellow Diffused	3200	120	3	20

3528 LT 670WDT  
3.5 x 2.8 x 1.9 mm



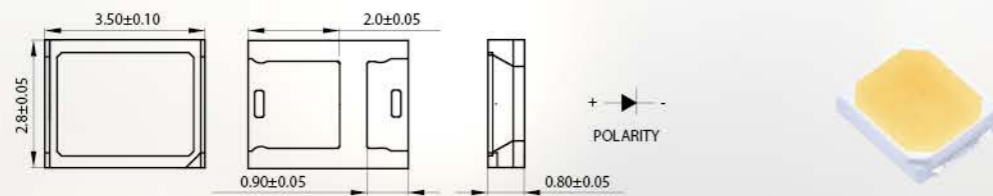
Part No.	Color	CCT(K)	Lens Type	Typ. Luminous Intensity I <sub>v</sub> (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V <sub>F</sub> (V)	Forward Current I <sub>F</sub> (mA)
L-T670WDT-CW1-Q	White	7000 ~ 9000	Yellow Diffused	2350	120	3	3.5
L-T670WDT-NW1-Q	White	4000 ~ 5000	Yellow Diffused	2400	120	3	3.5
L-T670WDT-WW1-Q	White	2500 ~ 3000	Yellow Diffused	2200	120	3	3.5

5050 LT 690WDT  
5.4 x 5.0 x 1.5 mm



Part No.	Color	CCT(K)	Lens Type	Typ. Luminous Intensity I <sub>v</sub> (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V <sub>F</sub> (V)	Forward Current I <sub>F</sub> (mA)
L-T690WDT-CW	White	6000 ~ 7500	Yellow Diffused	1600	120	3	20
L-T690WDT-NW	White	4000 ~ 4500	Yellow Diffused	1800	120	3	20

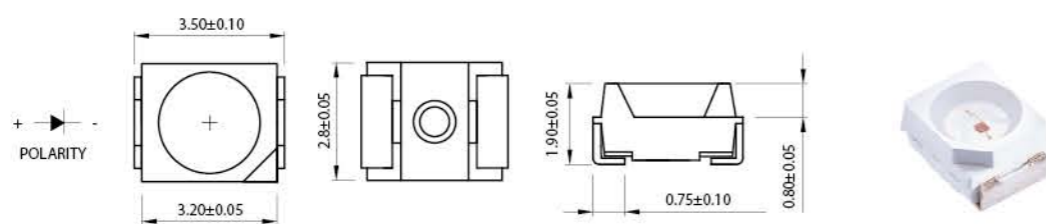
2835 LT 2835WDT  
2.8 x 3.5 x 0.8 mm



Part No.	Color	CCT(K)	Lens Type	Typ. Luminous Intensity I <sub>v</sub> (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage V <sub>F</sub> (V)	Forward Current I <sub>F</sub> (mA)
L-T2835WDT-CW1-Q	White	5500 ~ 7000	Yellow Diffused	6500	120	3	60
L-T2835WDT-NW1-Q	White	3800 ~ 4600	Yellow Diffused	6800	120	3	60
L-T2835WDT-WW1-Q	White	2850 ~ 3250	Yellow Diffused	6200	120	3	60

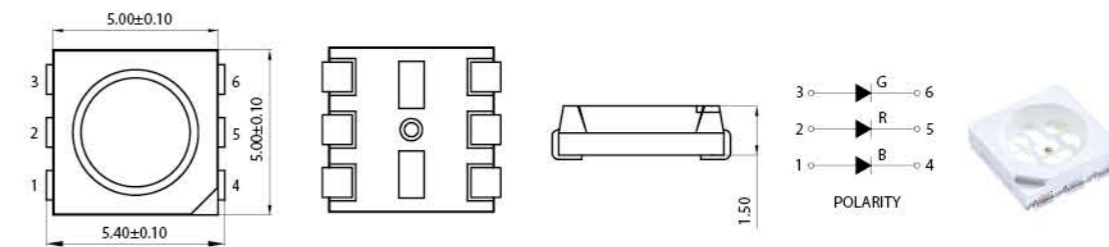
3528 / 2835 PLCC Single Color

5050 PLCC RGB / 2835 PLCC IR



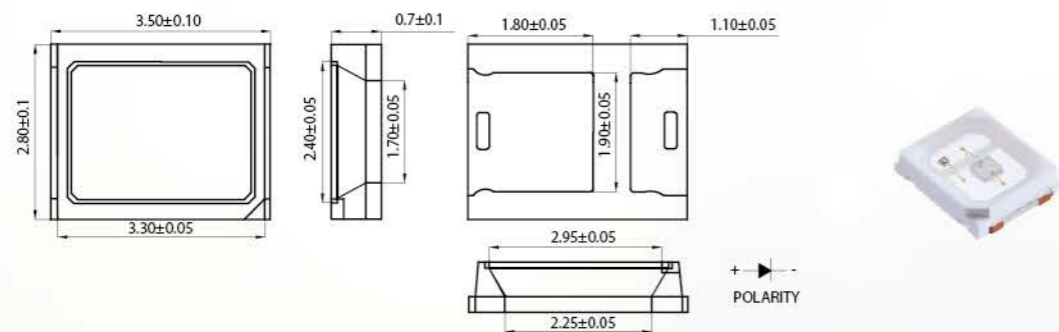
3528 LT 670  
3.5 x 2.8 x 1.9 mm

Part No.	Color	Wavelength $\lambda_d$ (nm)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-T670LBCT	Blue	465	Water Clear	300	120	3	20
L-T670LGCT	Green	520	Water Clear	1000	120	3	20
L-T670KGCT	Yellow Green	570	Water Clear	100	120	2	20
L-T670TYCT	Yellow	587	Water Clear	700	120	1.9	20
L-T670KFCT	Orange	605	Water Clear	200	120	1.9	20
L-T670KRCT	Super Red	630	Water Clear	100	120	1.9	20



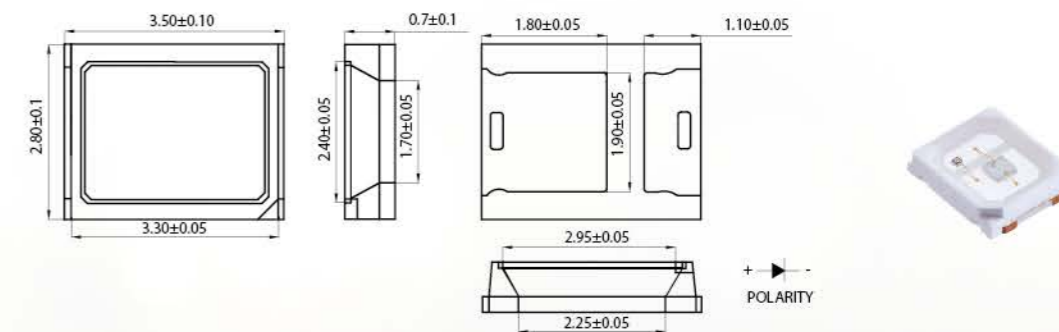
5050 LT 69FRGB  
5.4 x 5.0 x 1.5 mm

Part No.	Color	Wavelength $\lambda_d$ (nm)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
LT69FRGBCT	Super Red	628	Water Clear	500	120	1.9	20
	Green	525	Water Clear	1200	120	3	20
	Blue	465	Water Clear	300	120	3	20
L-T69FRGBCT-0.5W-S2	Super Red	628	Water Clear	1900	120	2	50
	Green	525	Water Clear	5000	120	3.1	50
	Blue	465	Water Clear	1200	120	3.1	50
L-T69FRGBCT-1.5W-S2	Super Red	628	Water Clear	6000	120	2.1	150
	Green	525	Water Clear	9500	120	3.2	150
	Blue	465	Water Clear	3000	120	3.2	150



2835 LT 2835  
2.8 x 3.5 x 0.7 mm

Part No.	Color	Wavelength $\lambda_d$ (nm)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-T2835KYCT	Yellow	587	Water Clear	2500	120	1.9	60
L-T2835KFCT	Orange	605	Water Clear	200	120	1.9	60
L-T2835KRCT	Super Red	628	Water Clear	2000	120	1.9	60



2835 LT 2835 IR  
2.8 x 3.5 x 0.7 mm

Part No.	Color	Wavelength $\lambda_d$ (nm)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-T2835IR4CT-20	IR	850	Water Clear	250	120	1.6	60
L-T2835IR4CT-24	IR	850	Water Clear	350	120	1.9	60



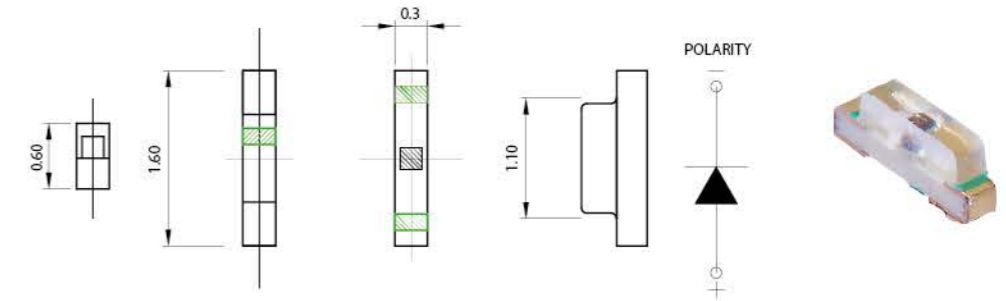
0603 / 1204

Side View Series



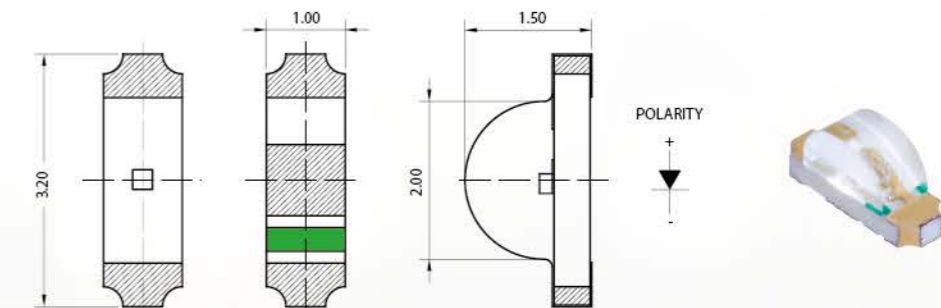
Application

- Control Panel
- Back Light
- Indicator
- IoT Application
- Medical Application
- LED Lighting



0603 LC 193  
1.6 X 0.3 x 0.6 mm

Part No.	Color	Wavelength $\lambda$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-S193TBCT-AM	Blue	470	Water Clear	35	130	2.8	5
L-S193LGCT-5A-AM	Green	525	Water Clear	100	130	2.8	5
L-S193JGCT-5A-AM	Yellow Green	570	Water Clear	15	130	1.8	5
L-S193JYCT-5A-AM	Yellow	590	Water Clear	30	130	1.7	5
L-S193JFCT-5A-AM	Orange	605	Water Clear	30	130	1.75	5
L-S193JRCT-5A-AM	Super Red	630	Water Clear	20	130	1.7	5
L-S193WDT-5A-AM	White	(0.285, 0.265)	Yellow Diffused	150	130	2.8	5



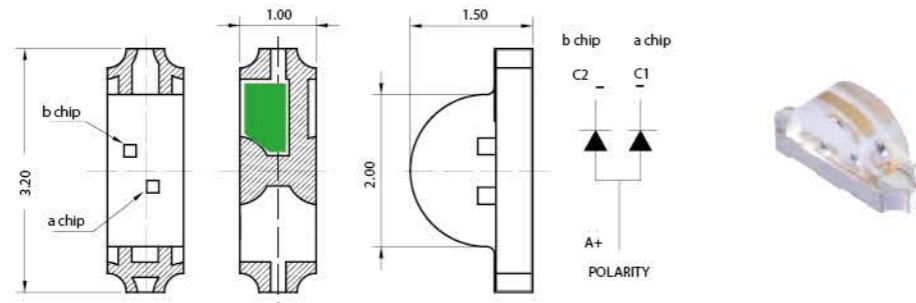
1204 LS 110  
3.2 x 1.0 x 1.5 mm

Part No.	Color	Wavelength $\lambda$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-S110LBCT	Blue	465	Water Clear	130	130	3	20
L-S110LGCT	Green	525	Water Clear	650	130	3	20
L-S110JGCT	Yellow Green	570	Water Clear	70	130	2	20
L-S110JYCT	Yellow	590	Water Clear	120	130	1.9	20
L-S110JFCT	Orange	605	Water Clear	120	130	1.95	20
L-S110JRCT	Super Red	630	Water Clear	80	130	1.9	20
L-S110WDT	White	(0.30, 0.30)	Yellow Diffused	750	130	3	2

1204 Dual Color / 1204 RGB

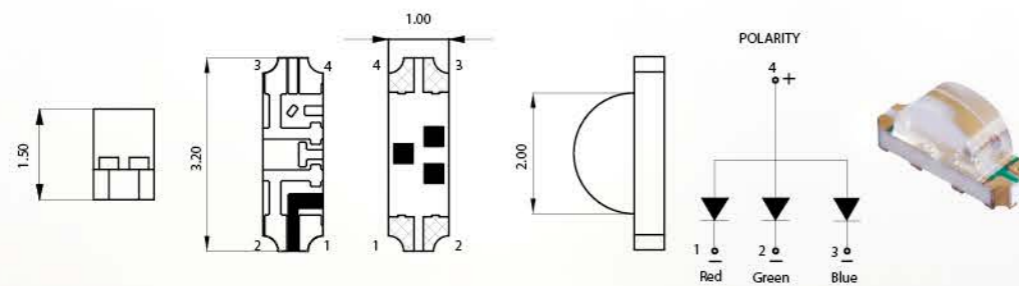
PLCC White

1204 LS 115  
3.2 x 1.0 x 1.5 mm

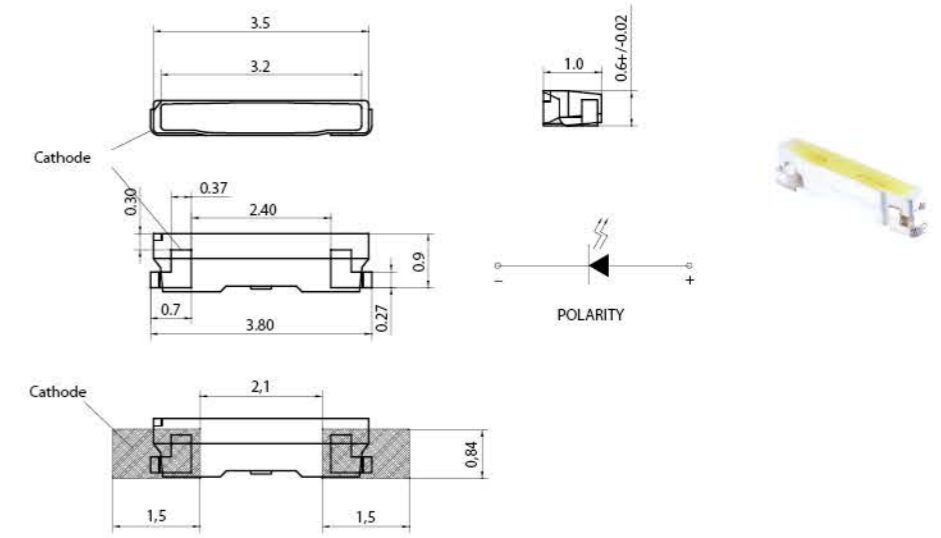


Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-S115JRJGCT	● Super Red	630	Water Clear	80	130	1.9	20
	● Yellow Green	570	Water Clear	70	130	2	20
L-S115JFLGCT	● Orange	605	Water Clear	120	130	1.95	20
	● Green	525	Water Clear	650	130	3	20
L-S115JGJFCT	● Orange	605	Water Clear	120	130	1.95	20
	● Yellow	570	Water Clear	70	130	2	20
L-S115LBJFCT	● Orange	605	Water Clear	120	130	1.95	20
	● Blue	465	Water Clear	130	130	3	20
L-S115JFWDT	● Orange	605	Yellow Diffused	120	130	1.95	20
	○ White	(0.30, 0.30)	Yellow Diffused	750	130	3	20

1204 LS 11F  
3.2 x 1.0 x 1.5 mm



Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-S11F1RGBCT-CC	● Super Red	630	Water Clear	80	130	1.9	20
	● Green	525	Water Clear	650	130	3	20
	● Blue	465	Water Clear	120	130	3	20
L-S11F1RGBCT-CA	● Super Red	630	Water Clear	80	130	1.9	20
	● Green	525	Water Clear	650	130	3	20
	● Blue	465	Water Clear	120	130	3	20



LS 020WDT  
3.5 x 1.0 x 0.9mm

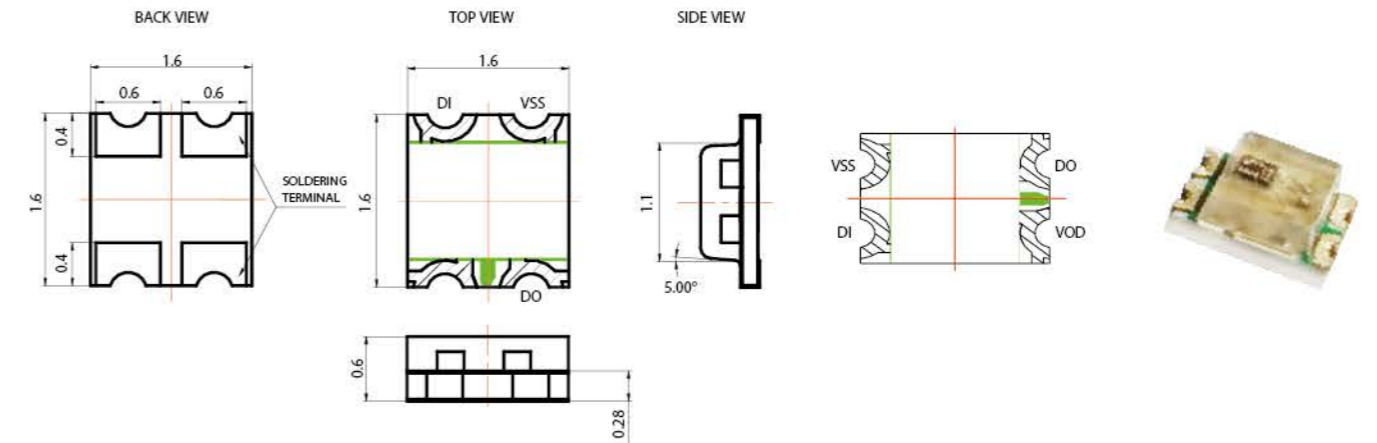
Part No.	Color	CCT(K)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-S020WDT	○ White	6500 ~ 7500	Yellow Diffused	3000	120	3	20
L-S020WWDT	○ White	2000 ~ 3000	Yellow Diffused	2500	120	3	20

RGB+IC Series



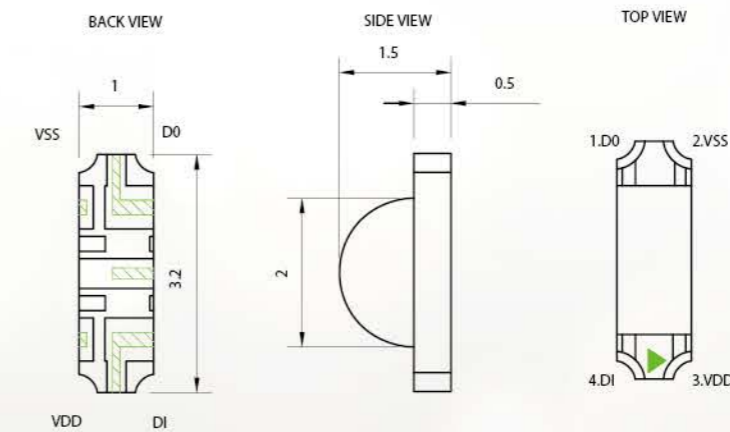
Application

- Control Panel
- Back Light
- Indicator
- IoT Application
- Medical Application
- LED Lighting



SMD RGB+IC

Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-C19F1GRBWT-IC	● Red	615-625	Water Clear	45-280		5	20
	● Green	525-535		112-450			
	● Blue	465-475		18-112			



PLCC RGB+IC

Part No.	Color	Wavelength $\lambda_d$ (nm)/ CIE (x,y)	Lens Type	Typ. Luminous Intensity $I_v$ (mcd)	Viewing Angle (deg.)	Typ. Forward Voltage $V_f$ (V)	Forward Current $I_f$ (mA)
L-S11F1GRBWT-IC	● Red	615-625	White Diffused	18-112		6.5	25
	● Green	525-535		28-280			
	● Blue	465-475		7.1-45			

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