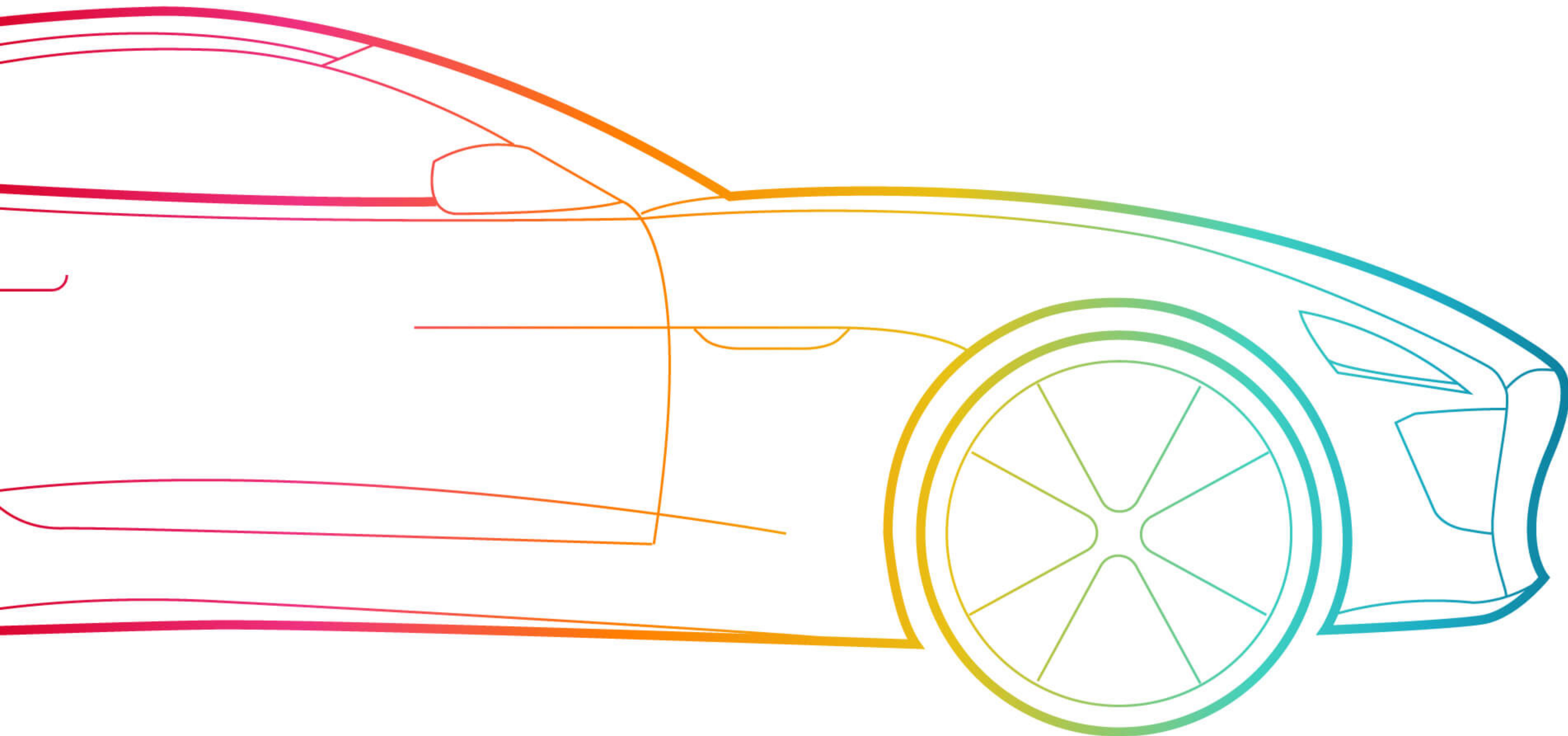




AUTOMOTIVE

APPLICATION



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01 Company
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15 Interior
Lighting

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Lighting

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Sensing

COMPANY OVERVIEW

BRIGHTTEK OPTOELECTRONIC CO., LTD., established in 2001, is a professional optoelectronics solutions provider headquartered in Taiwan (Stock Code: 5244). With subsidiaries in Shenzhen, Jiangsu, and Kunshan, as well as a sales office in Tianjin, Brighttek serves a global clientele spanning over 60 countries, with distribution networks across Europe, North America, South America, Southeast Asia, and the Middle East.

Brighttek integrates LED packaging and module development, production, and sales, specializing in automotive and smart sensing applications. The company is equipped with cutting-edge production facilities and maintains rigorous quality certifications, including ISO 9001, ISO 14001, IATF 16949, IECQ-QC 080000, and SONY Green Partner.

Brighttek boasts internationally advanced automated production equipment and modern laboratories, supported by a dedicated management, R&D, production, and sales team. With numerous R&D patents, Brighttek ensures scalable, standardized production and swift delivery. Known for its stringent quality control and outstanding R&D expertise, Brighttek is a preferred partner for automotive and smart sensing clients worldwide.





Foundation & Establishment

2001-2010

- 2001:** Brightek (Shenzhen) founded
- 2005:** Brightek Taiwan headquarters established
- 2007:** Certified TS16949

Product and Business Expansion

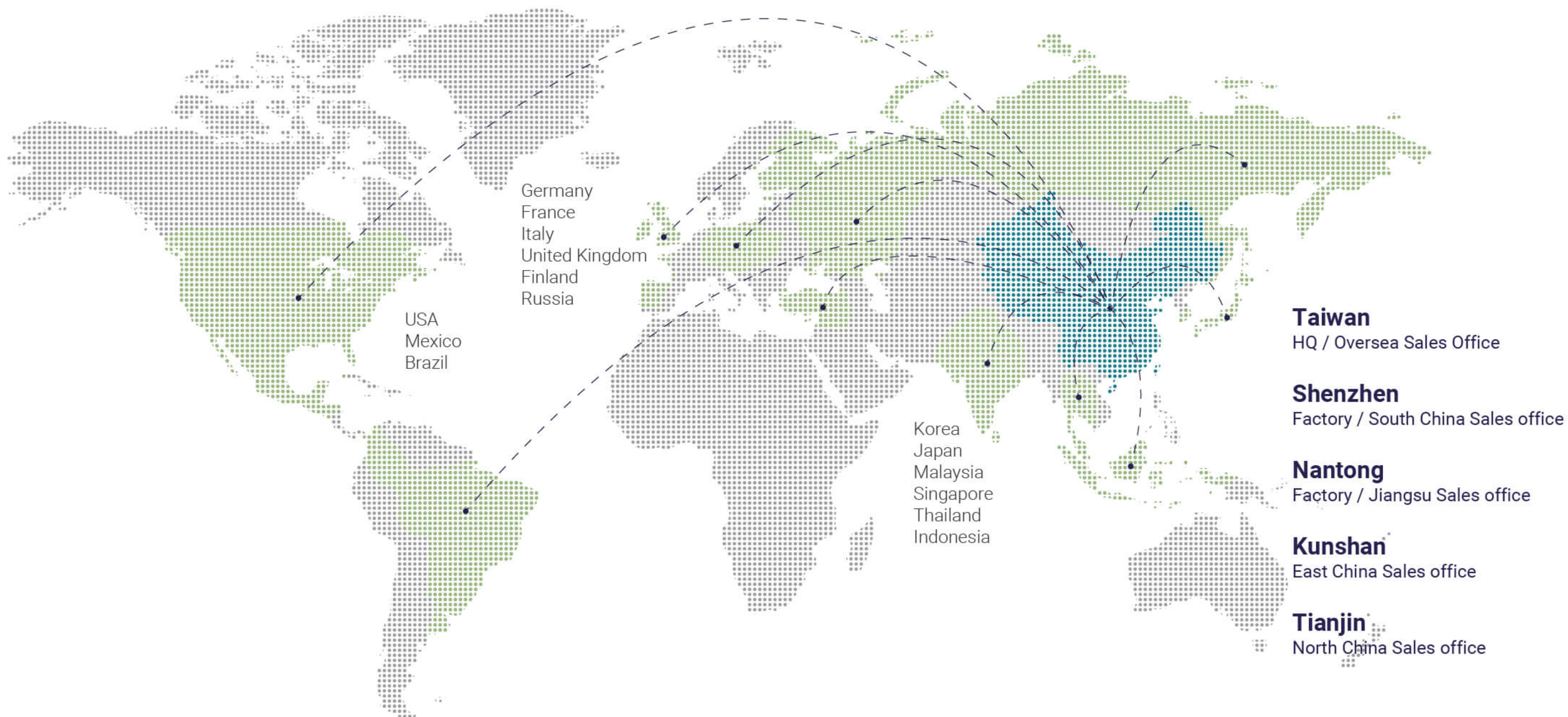
2011-2020

- 2011:** Brightek (Kunshan) established
- 2018:** Announcement for iCLed series
- 2019:** Pioneering in adopting iCLed automotive ambient lighting in Chinese market ; joining the ISELED alliance
- 2020:** Brightek (Jiangsu) established; VDA 6.3 process audit implementation

Path to Globalization

2021 and beyond

- 2021:** Production line certified by Valeo
- 2022:** Listed on Taiwan Stock Exchange (Code: 5244)
- 2023:** New factory in Nantong, Jiangsu completed
- 2024:** Certified CNAS in China



Our sales and services cover Europe, North America, Latin America, the Asia-Pacific region, and the Middle East.

PRODUCT SUMMARY

Visual Sensing



Automotive Sensing



Exterior Lighting



Interior Lighting

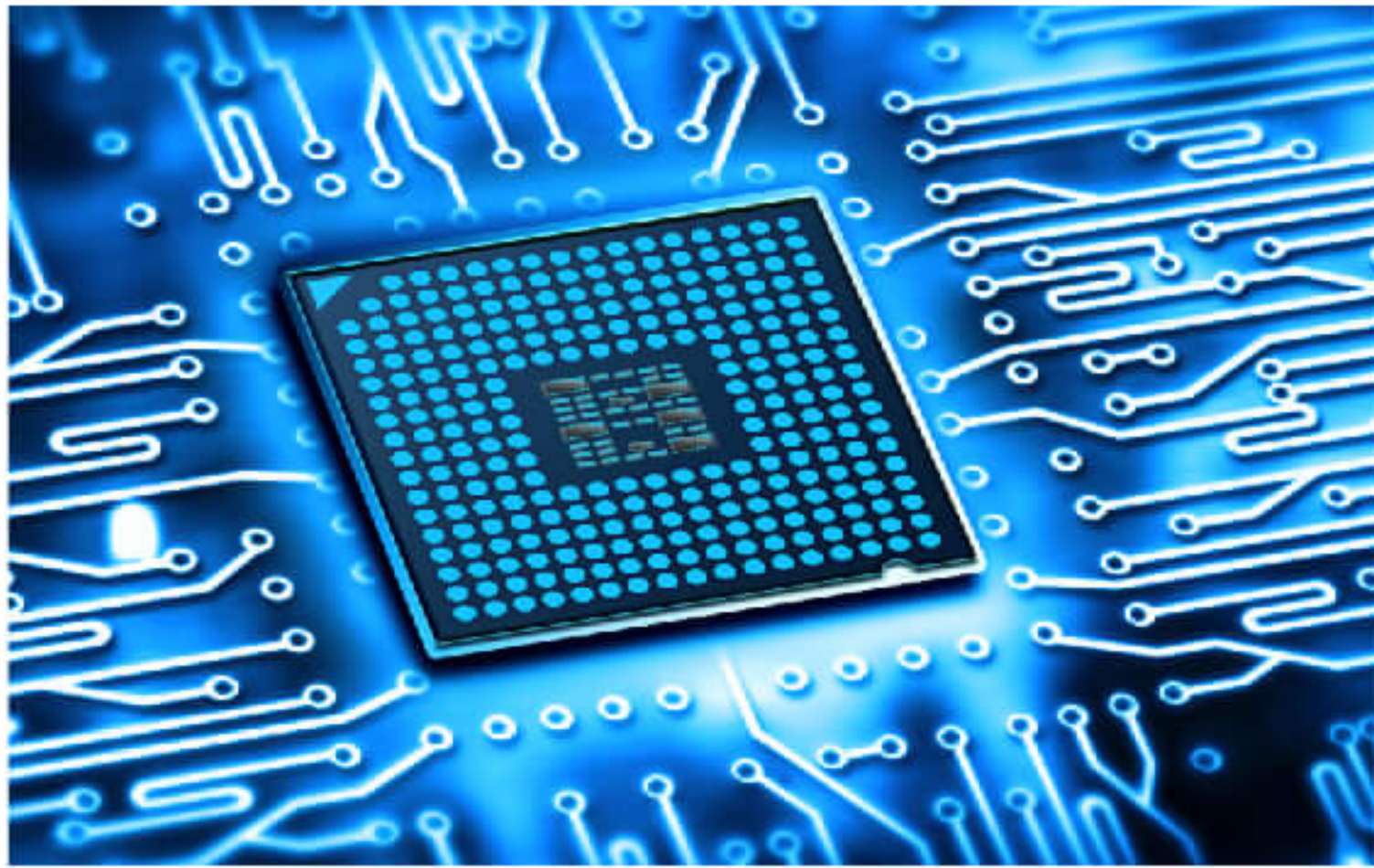


Ambient Lighting

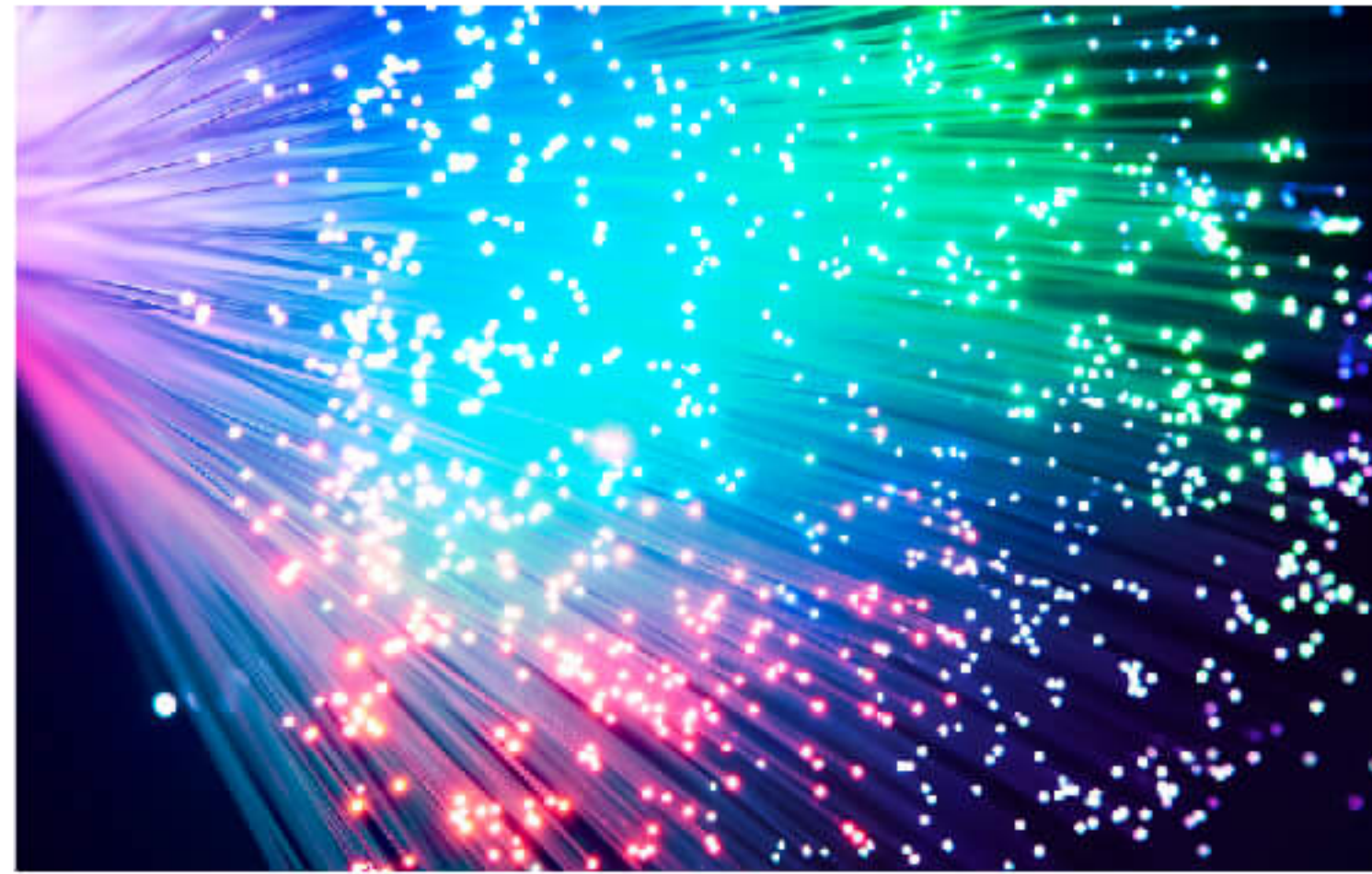


AMBIENT LIGHTING

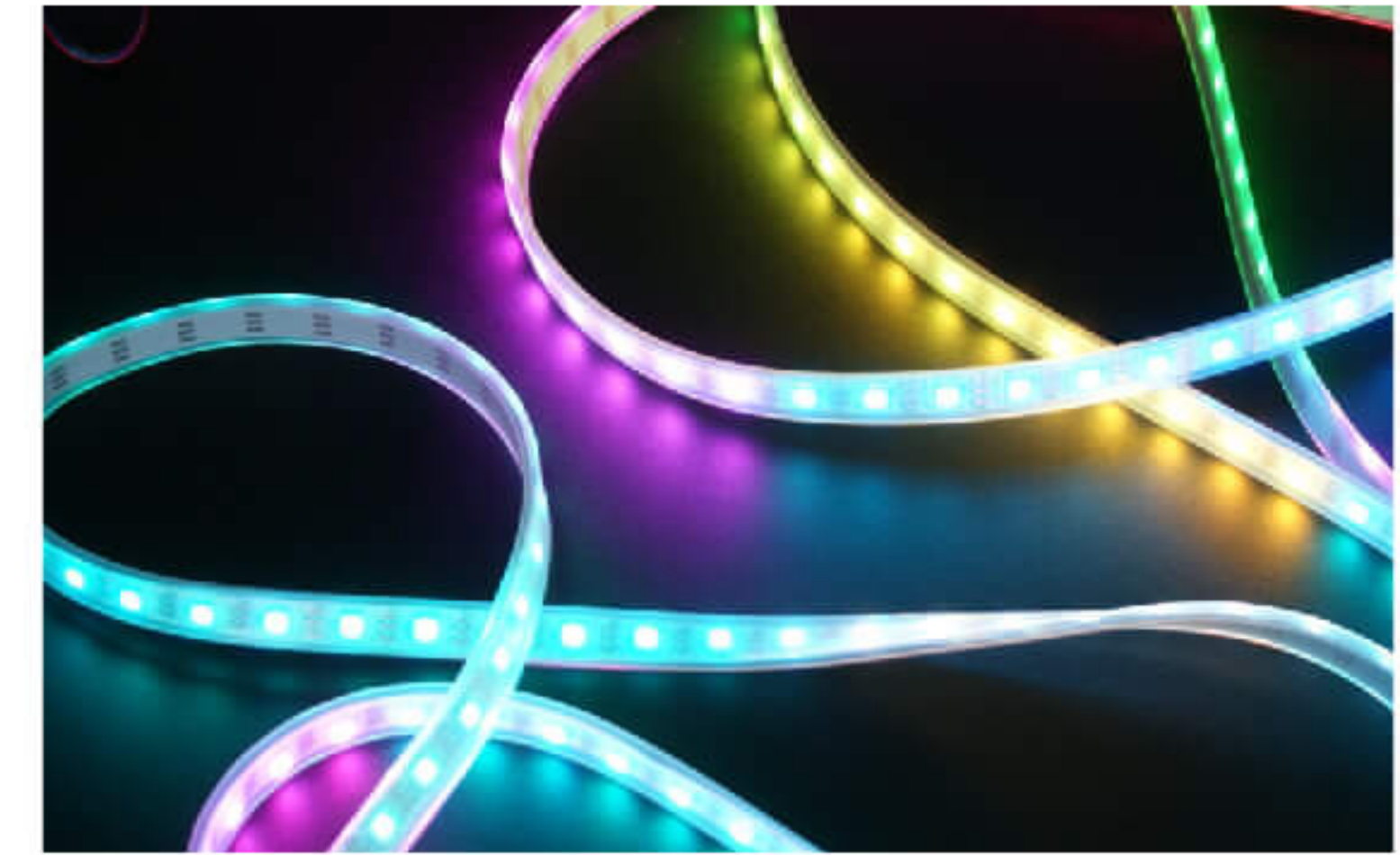
Product Features



Multiple IC options to provide more than 8bit colorful effects to meet customer's diverse design needs.



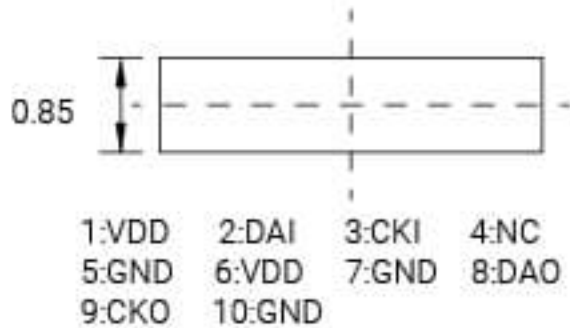
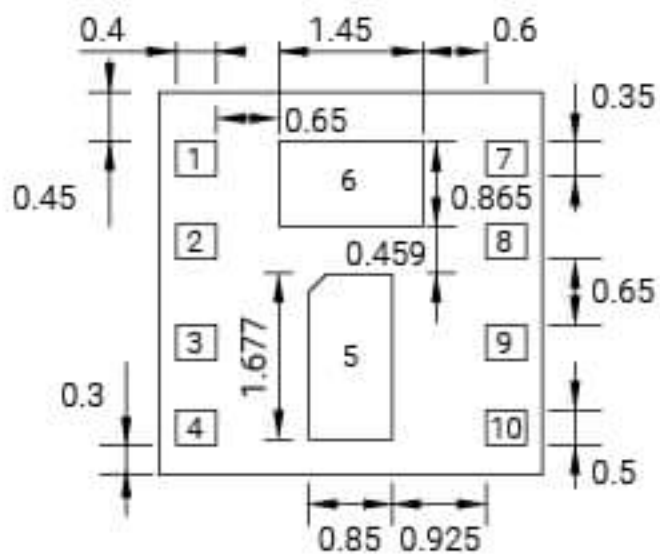
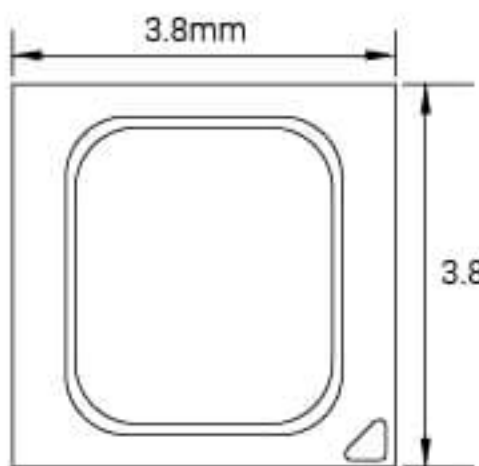
Narrow wavelength LED chips provide better control of color distribution and good uniformity.



The ISELED and Brightek's proprietary EVO iCLED technologies provide advanced color and temperature calibration functions, effectively addressing color inconsistency issues in lighting applications.

TOP iCLed EVO 3838

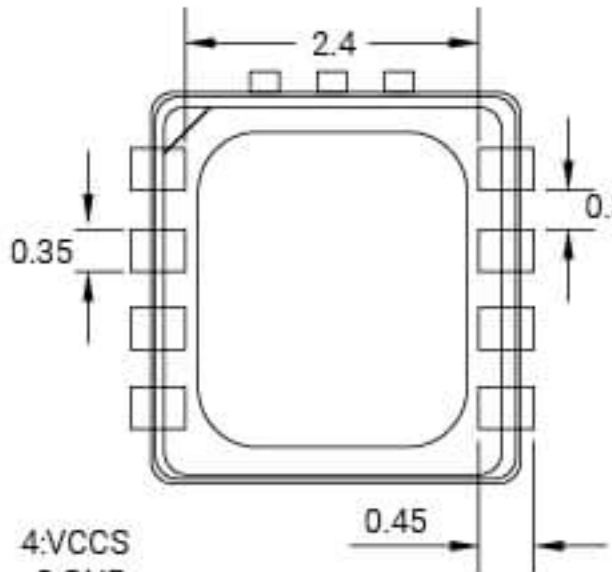
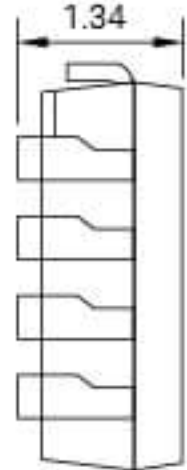
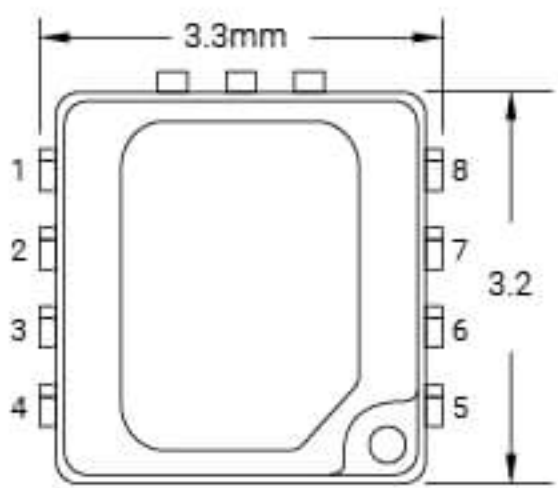
Size(L*W*H mm): 3.8*3.8*0.85



Part Number	Color	λ_d (nm)/CCT(K)	I_v (mcd)-Typ	I_v (mcd)-Min~Max	V_F (V)	I_F (mA)	$2\theta_{1/2}$
EV3838CMTCM20601	Red	620-630nm	1200	-	4.0-5.5	21	120
	Green	520-530nm	2720	-	4.0-5.5	35	
	Blue	455-465nm	142	-	4.0-5.5	10	

TOP ISELED 3233

Size(L*W*H mm): 3.2*3.3*1.34

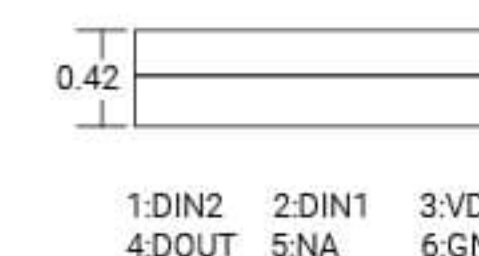
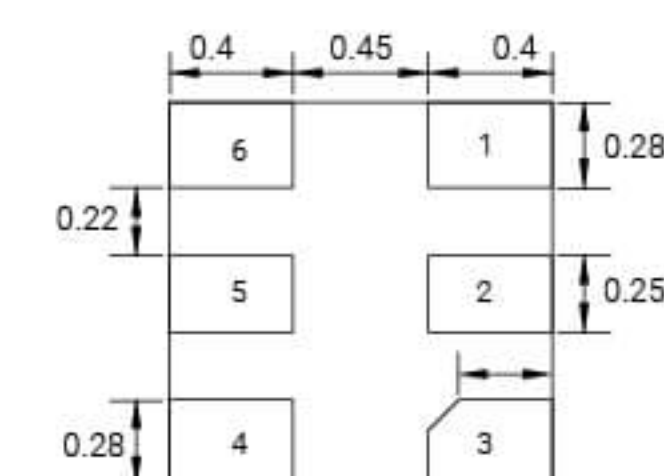
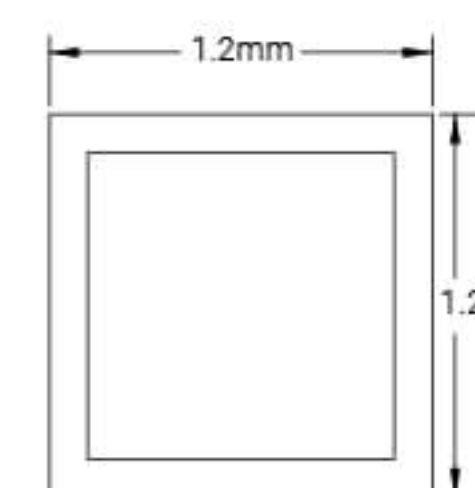
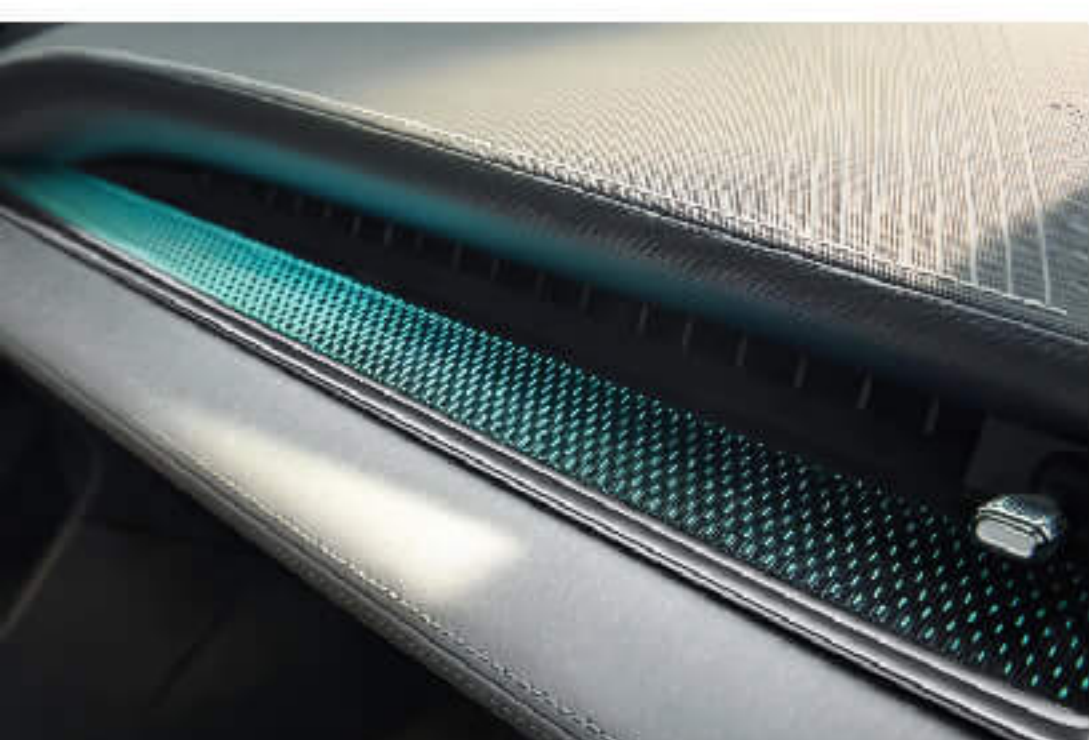


1:GND 2:SI02_P 3:SI02_N 4:VCCS
5:PRG5 6:SI01_N 7:SI01_P 8:GND

Part Number	Color	$\lambda d(nm)/CCT(K)$	$I_v(mcd)\text{-Typ}$	$I_v(mcd)\text{-Min~Max}$	$V_F(V)$	$I_F(mA)$	$2\theta_{1/2}$
ISELED 3233	Red	621nm	560	-	-	-	120
	Green	526nm	1300	-	-	-	
	Blue	467nm	140	-	-	-	
	White	Cx0.3127/Cy0.329	2000	-	-	-	

TOP iCLed 1212

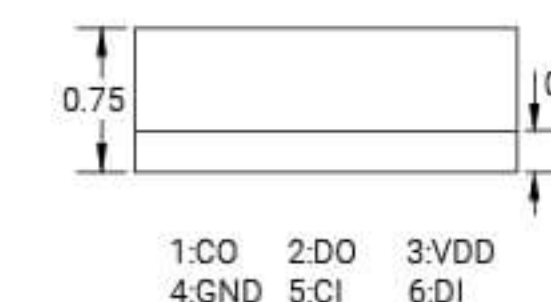
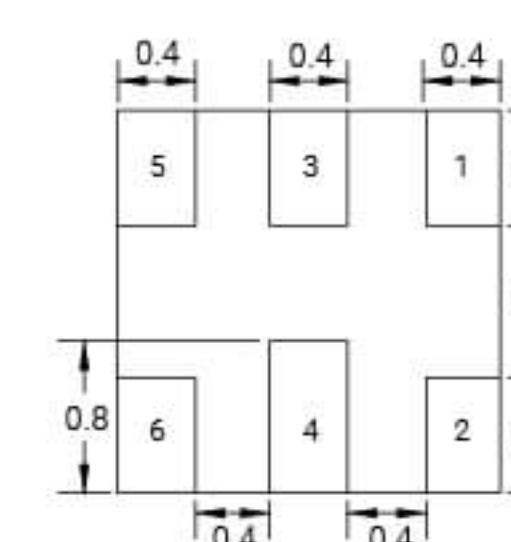
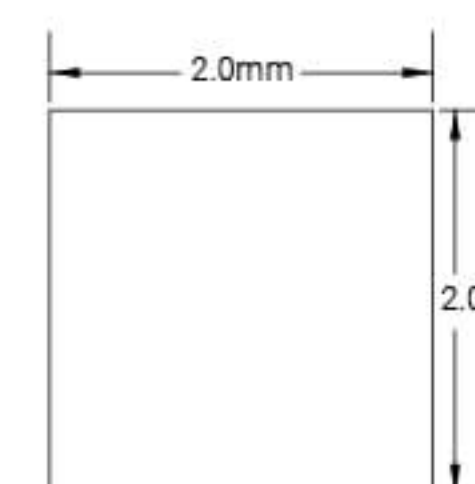
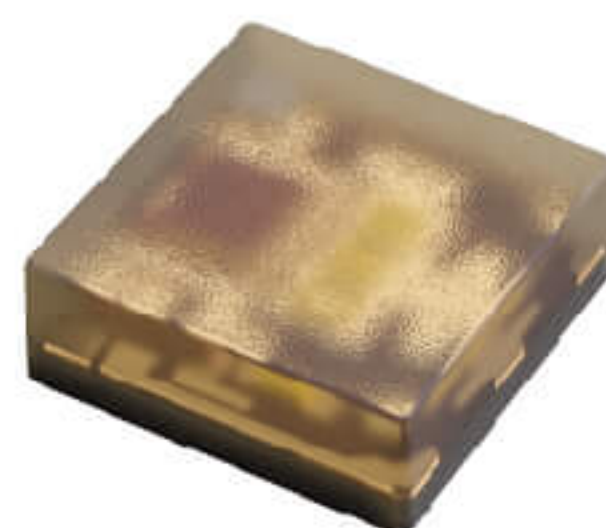
Size(L*W*H mm): 1.2*1.2*0.42



Part Number	Color	$\lambda_d(\text{nm})/\text{CCT}(\text{K})$	$I_v(\text{mcd})\text{-Typ}$	$I_v(\text{mcd})\text{-Min~Max}$	$V_F(\text{V})$	$I_F(\text{mA})$	$2\theta_{1/2}$
VF1212VGBCHN1	Red	624nm	70	-	4.5-5.5	3.63	120
	Green	528nm	310	-			
	Blue	469nm	65	-			

TOP iCLed 2020

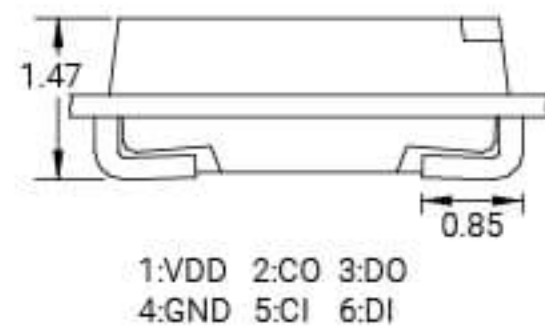
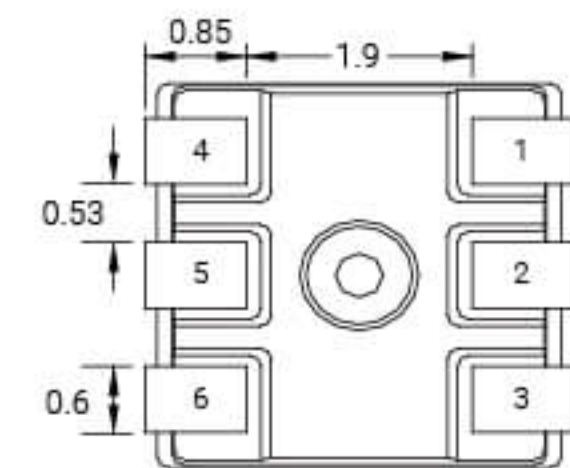
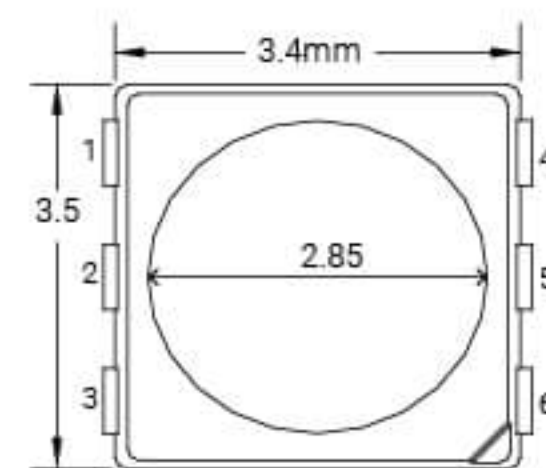
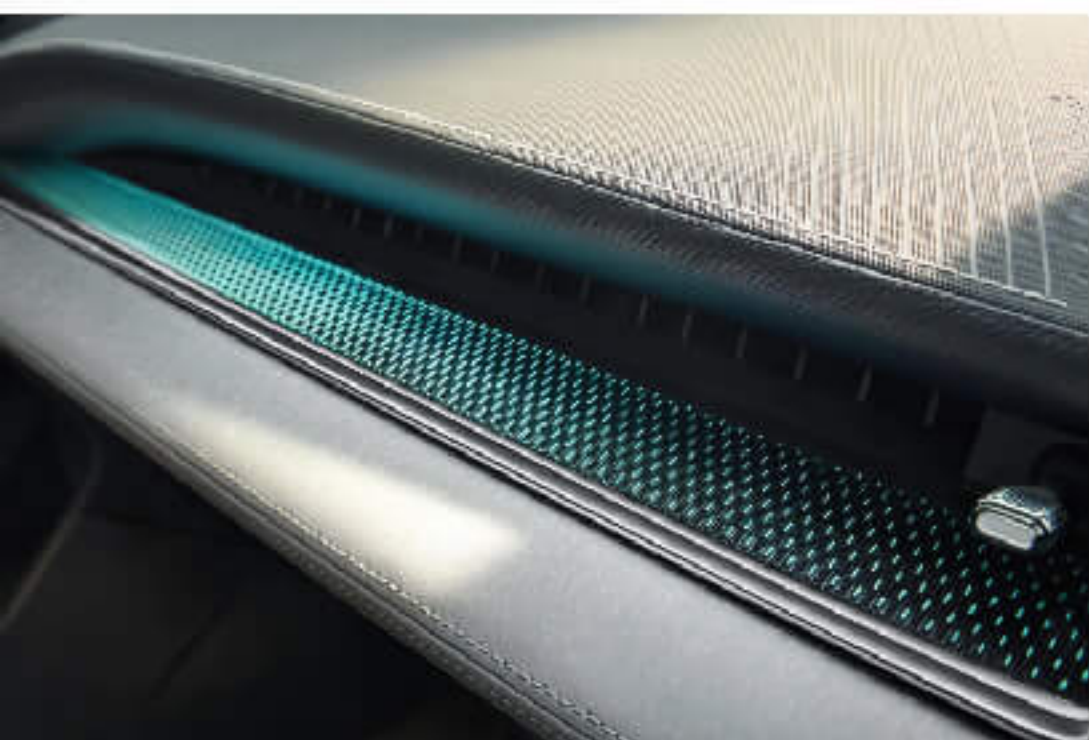
Size(L*W*H mm): 2.0*2.0*0.75



Part Number	Color	$\lambda_d(\text{nm})/\text{CCT}(\text{K})$	$I_v(\text{mcd})\text{-Typ}$	$I_v(\text{mcd})\text{-Min~Max}$	$V_F(\text{V})$	$I_F(\text{mA})$	$2\theta_{1/2}$
VC2020VGBCFN1	Red	630-636nm	280	220-350	4.5-5.5	20	120
	Green	524-529nm	850	700-1050			
	Blue	455-460nm	150	120-200			
VC2020VGBCFN2	Red	628-633nm	0.086 lm	-	4.5-5.5	5	120
	Green	532-537nm	0.473 lm	-			
	Blue	455-460nm	0.044 lm	-			

TOP iCLed 3535

Size(L*W*H mm): 3.4*3.5*1.47

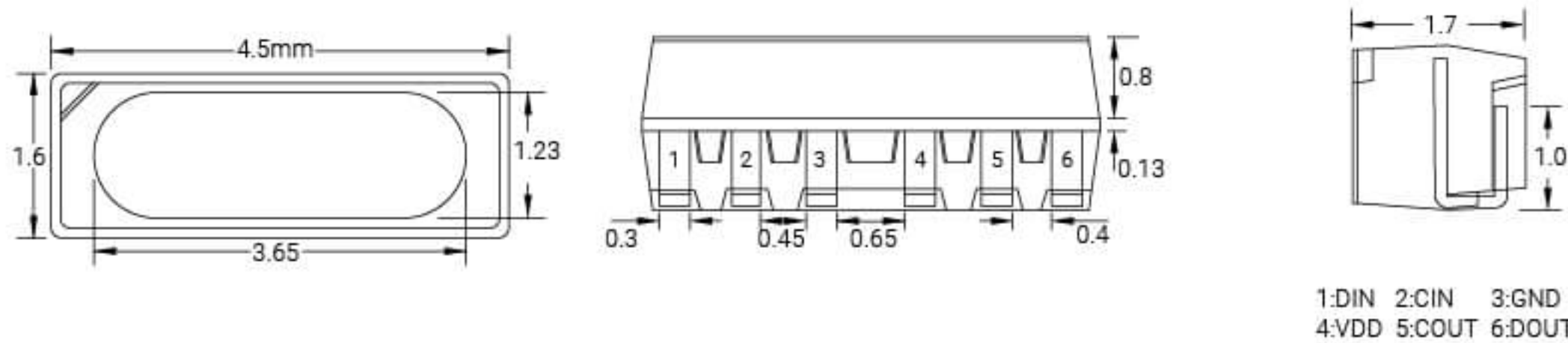


1:VDD 2:CO 3:DO
4:GND 5:CI 6:DI

Part Number	Color	$\lambda_d(\text{nm})/\text{CCT}(\text{K})$	$I_v(\text{mcd})\text{-Typ}$	$I_v(\text{mcd})\text{-Min~Max}$	$V_F(\text{V})$	$I_F(\text{mA})$	$2\theta_{1/2}$
VC3535VGBMFN1	Red	630-636nm	560	370-570	4.5-5.5	20	120
	Green	524-529nm	1900	1520-2380			
	Blue	455-460nm	330	270-410			

SIDE iCLed 4516

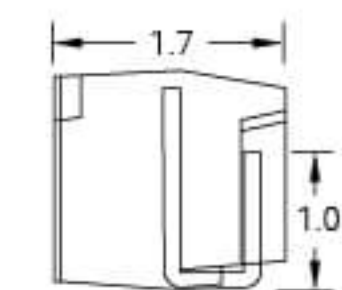
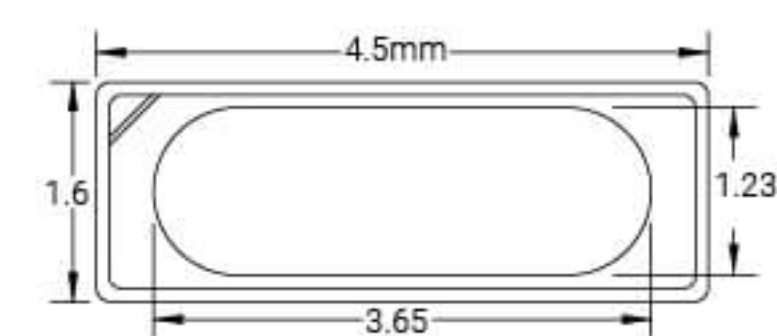
Size(L*W*H mm): 4.5*1.6*1.7



Part Number	Color	$\lambda_d(\text{nm})/\text{CCT}(\text{K})$	$I_v(\text{mcd})\text{-Typ}$	$I_v(\text{mcd})\text{-Min~Max}$	$V_F(\text{V})$	$I_F(\text{mA})$	$2\theta_{1/2}$
VC4516VGBMFN1	Red	630-636nm	350	280-440	4.5-5.5	20	120
	Green	524-529nm	1500	1200-1900			
	Blue	455-460nm	240	190-330			

SIDE LED 4516 RGB

Size(L*W*H mm): 4.5*1.6*1.7

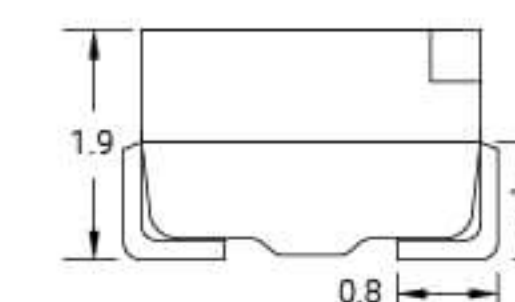
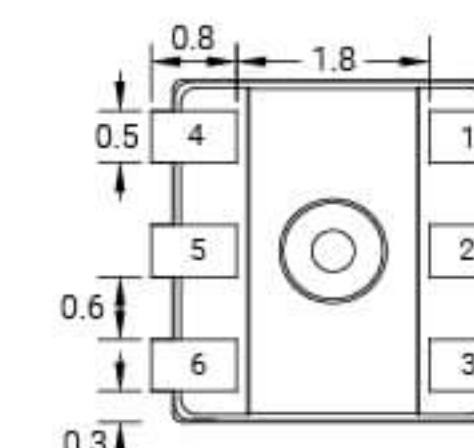
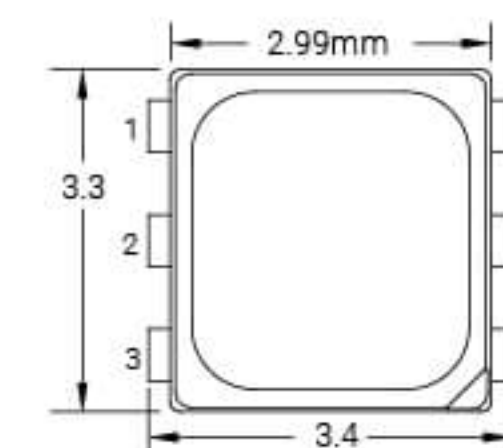


1:Anode (B) 2:Cathode (B)
3:Anode (G) 4:Cathode (G)
5:Anode (R) 6:Cathode (R)

Part Number	Color	$\lambda_d(\text{nm})/\text{CCT}(\text{K})$	$I_v(\text{mcd})\text{-Typ}$	$I_v(\text{mcd})\text{-Min~Max}$	$V_F(\text{V})$	$I_F(\text{mA})$	$2\theta_{1/2}$
V64516VGBMFZ1	Red	630-636nm	480	380-600	1.8-2.4	20	120
	Green	524-529nm	1760	1400-2200	2.8-3.4		
	Blue	455-460nm	300	240-380	2.6-3.2		

TOP LED 3433 RGB

Size(L*W*H mm): 3.4*3.3*1.9



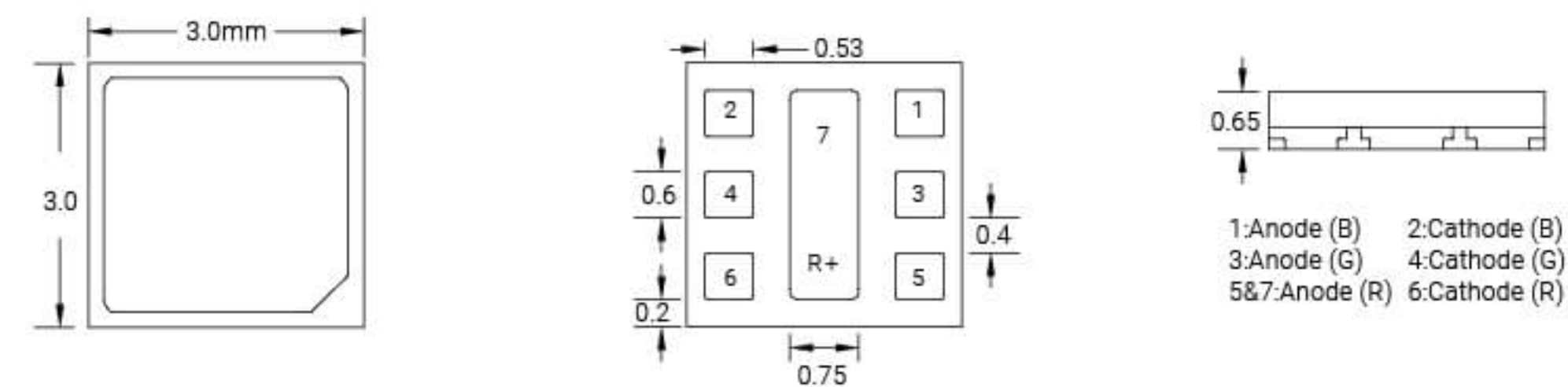
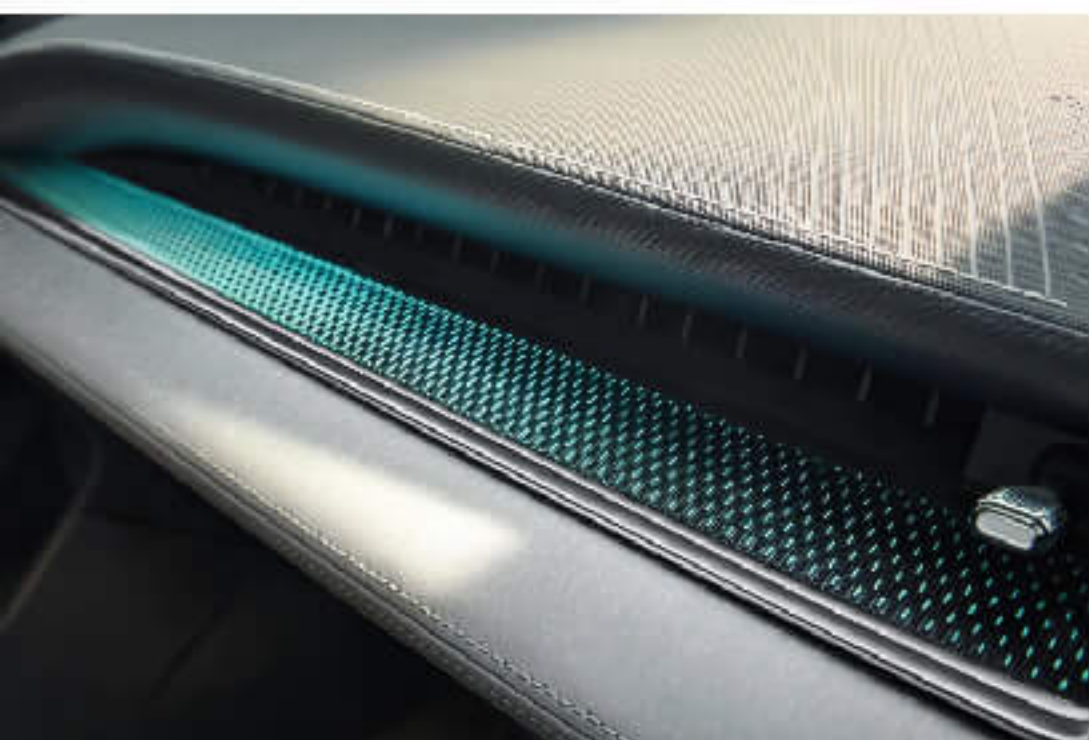
2:Anode (R) 1:Cathode (R)
3:Anode (G) 6:Cathode (G)
5:Anode (B) 4:Cathode (B)



Part Number	Color	λ_d (nm)/CCT(K)	I_v (mcd)-Typ	I_v (mcd)-Min~Max	V_F (V)	I_F (mA)	$2\theta_{1/2}$
V63433VGBMFZ1	Red	630-636nm	630	500-800	1.7-2.5	20	120
	Green	524-529nm	2660	2150-3350	2.6-3.4		
	Blue	455-460nm	420	330-520	2.6-3.4		
6SC3433VGB00MSZ3	Red	625-635nm	600	425-960	1.8-2.6	20	120
	Green	520-530nm	2180	1450-3270	2.6-3.4		
	Blue	445-455nm	170	115-255	2.6-3.4		
6SC3433VGB00MSZ5	Red	620-630nm	800	630-1000	1.8-2.6	20	120
	Green	520-530nm	2300	1902-2800	2.6-3.4		
	Blue	460-470nm	500	400-630	2.6-3.4		
6SC3433VGB00MSZ9	Red	630-636nm	680	550-850	1.8-2.6	20	120
	Green	520-525nm	2660	2150-3350	2.6-3.4		
	Blue	450-455nm	280	200-350	2.6-3.4		

TOP LED 3030 RGB

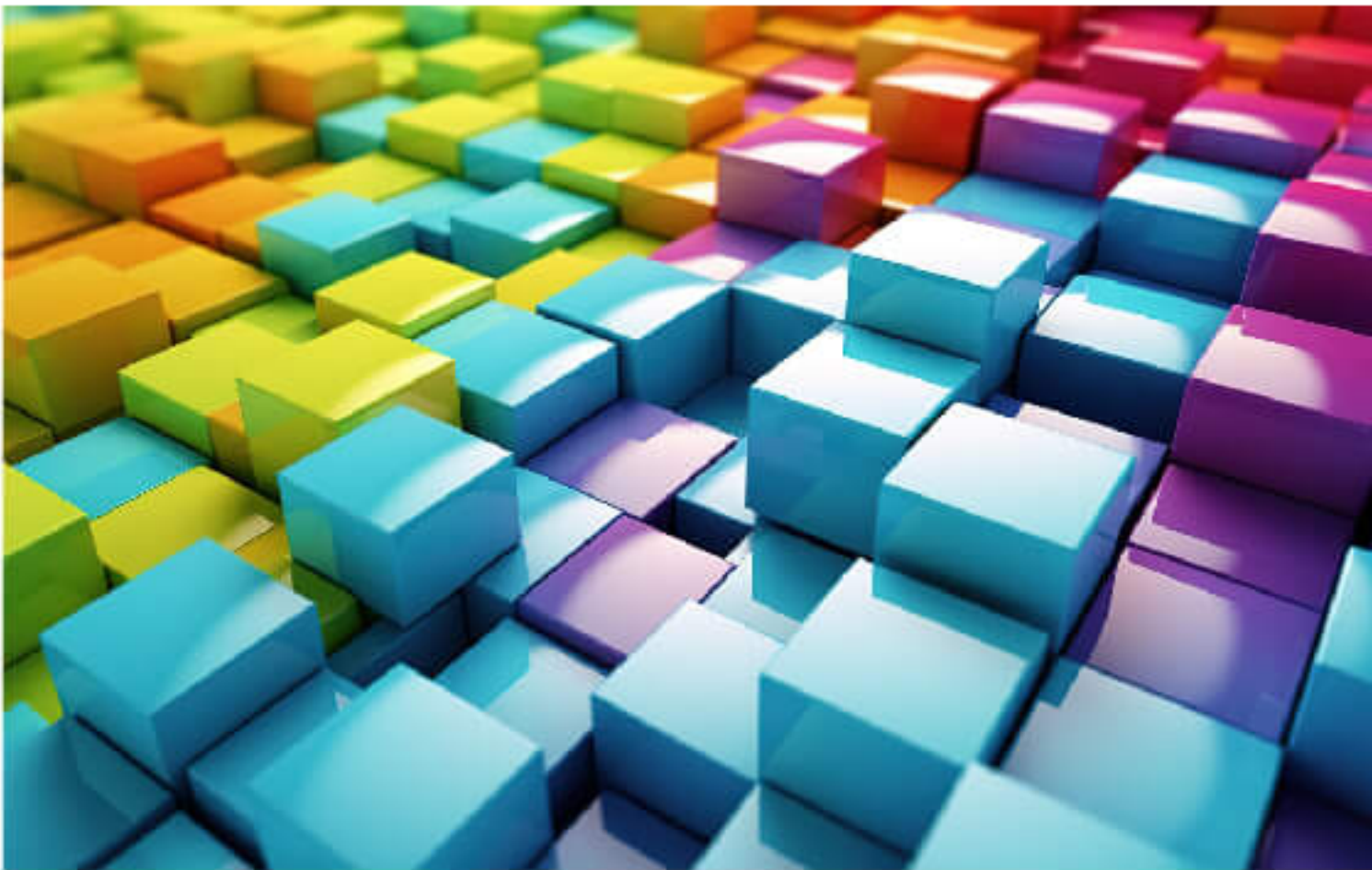
Size(L*W*H mm): 3.0*3.0*0.65



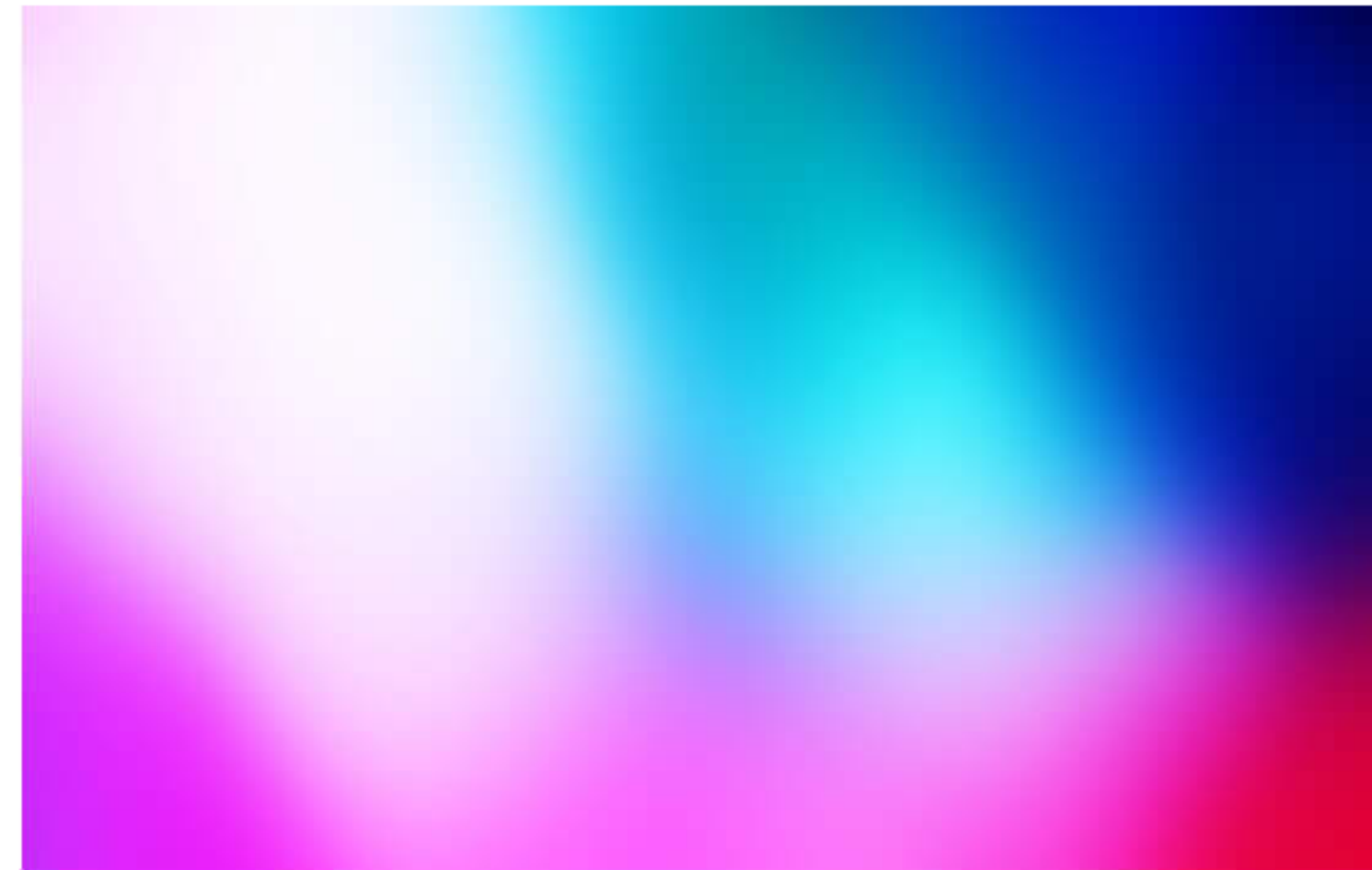
Part Number	Color	$\lambda d(nm)/CCT(K)$	$Iv(lm)-Typ$	$Iv(lm)-Min\sim Max$	$V_F(V)$	$I_F(mA)$	$2\theta_{1/2}$
V63030VGBMLN1	Red	630-636nm	17	14-20	2.0-2.6	150	120
	Green	524-529nm	44	38-50	3.0-3.6		
	Blue	455-460nm	10	8-13	3.0-3.6		

INTERIOR LIGHTING

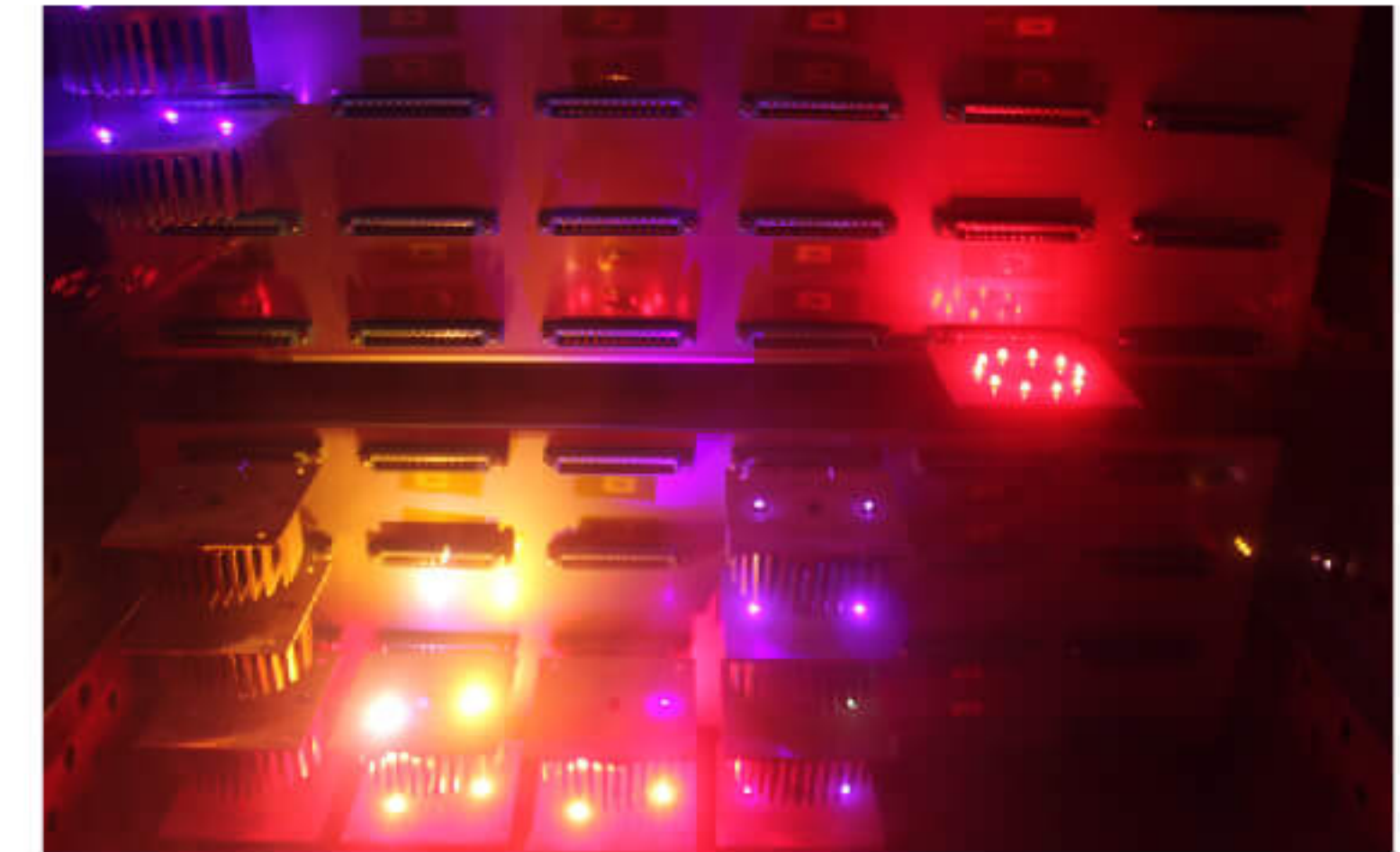
Product Features



Flexible installation options with a range of LED indicator sizes to suit various vehicle models.



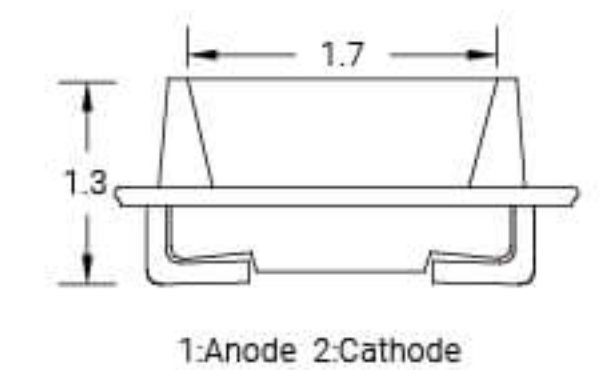
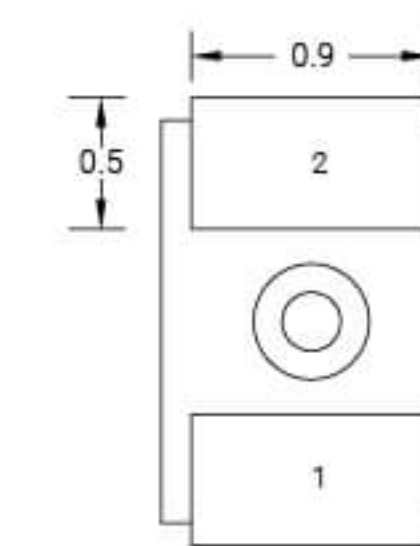
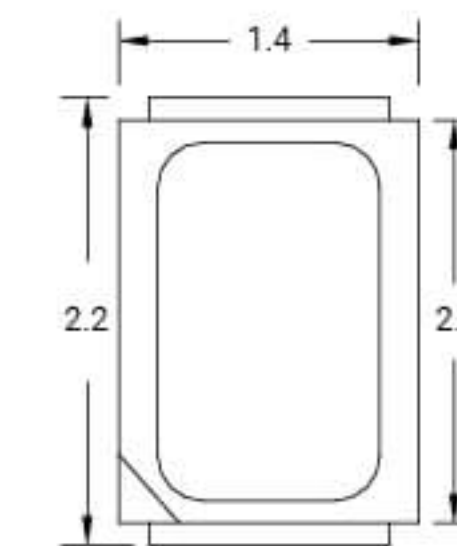
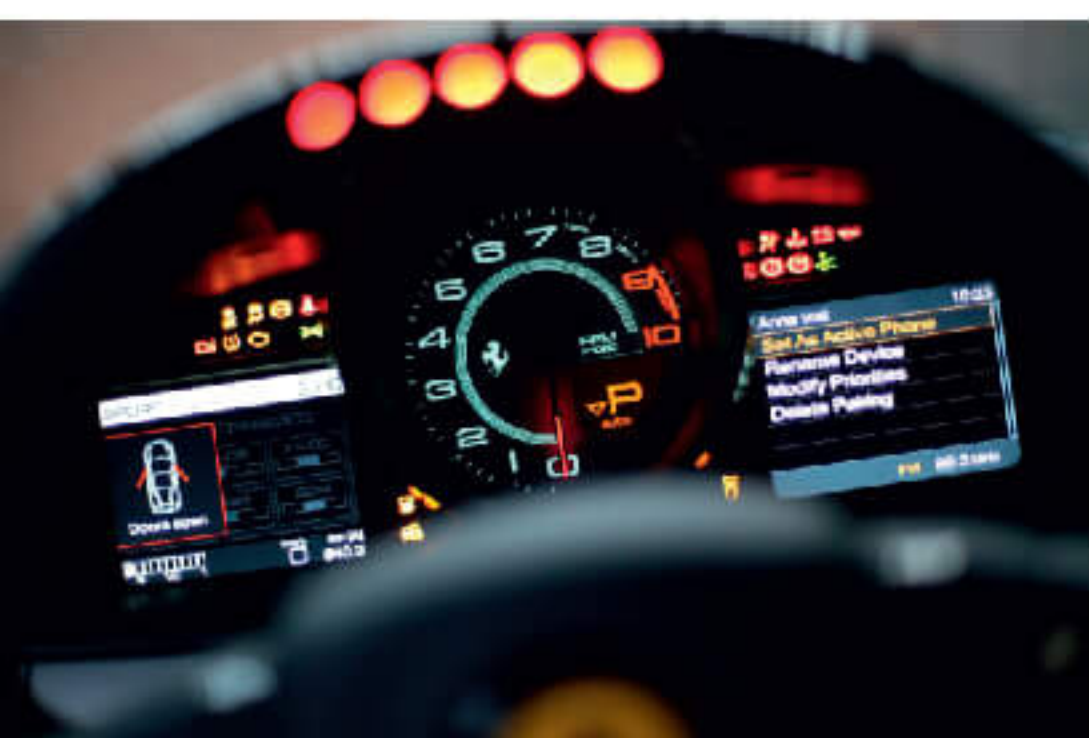
A wide range of colors and brightness levels to support diverse and personalized design needs.



Thorough reliability testing guarantees a dependable and long-lasting interior lighting solution.

TOP LED 2214

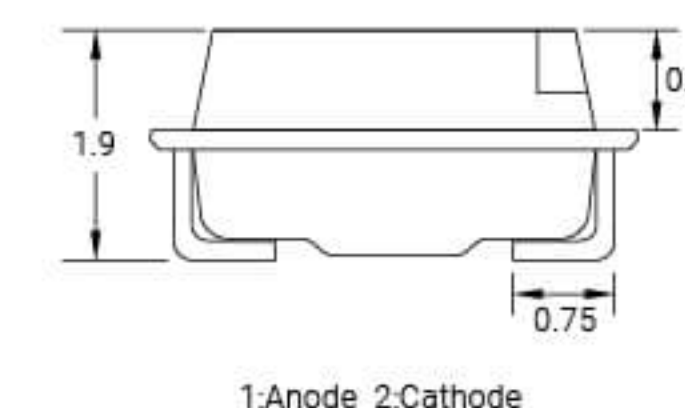
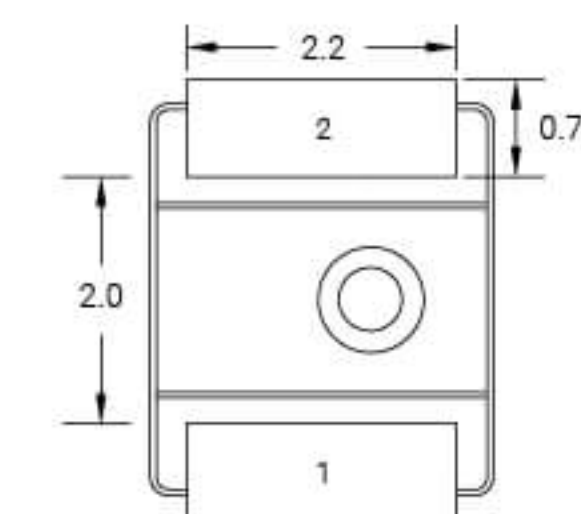
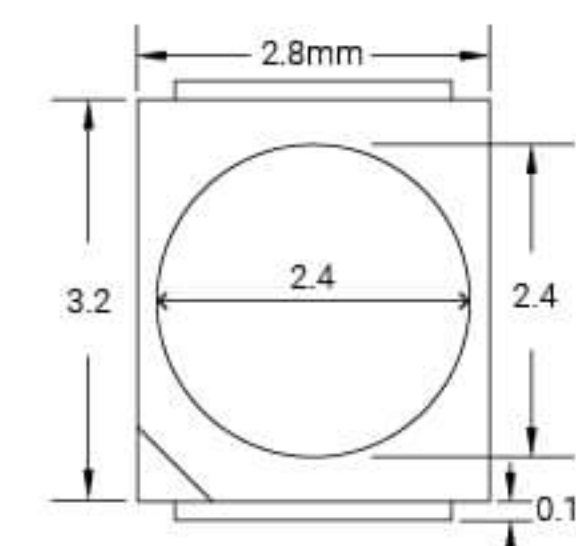
Size(L*W*H mm): 2.2*1.4*1.3



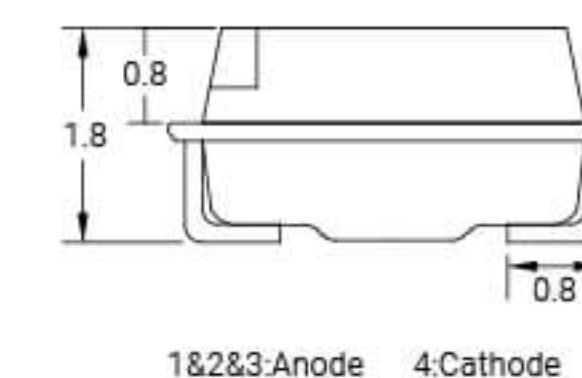
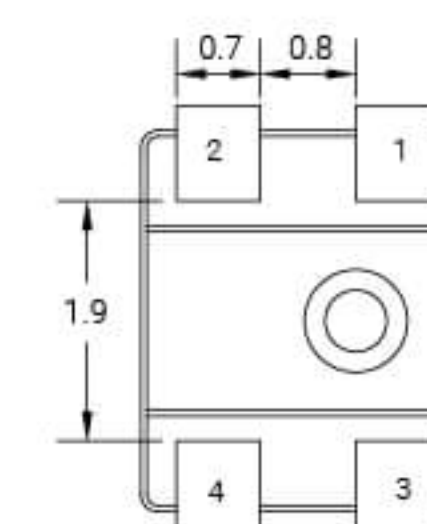
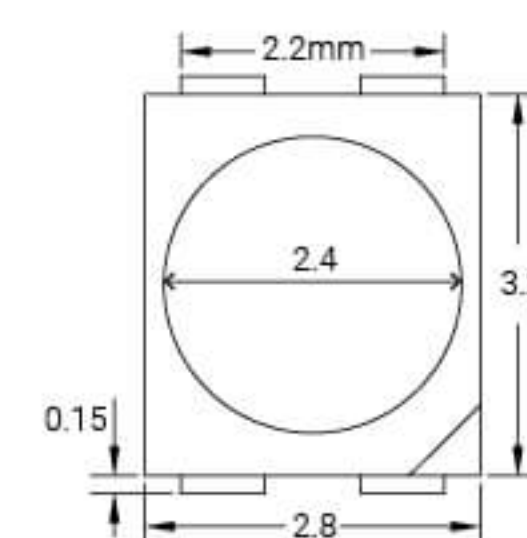
Part Number	Color	λ_d (nm)/CCT(K)	I_v (mcd)-Typ	I_v (mcd)-Min~Max	V_F (V)	I_F (mA)	$2\theta_{1/2}$
6SC2214V21C0CM01	Red	620-630nm	220		1.7-2.5	20	120
6SC2214Y24I0CM01	Yellow	585-597nm	770		1.7-2.5	20	120
6SC2214G71C0CMZ1	Green	520-535nm	860		2.8-3.6	20	120
6SC2214B12C0CMZ1	Blue	462.5-472.5nm	270		2.8-3.6	20	120
6SC2214W51A0WMZ1	PC Amber	Cx0.5229/Cy0.3471	300		2.4-3.2	5	120

TOP LED 3528

Size(L*W*H mm): 3.5*2.8*1.9



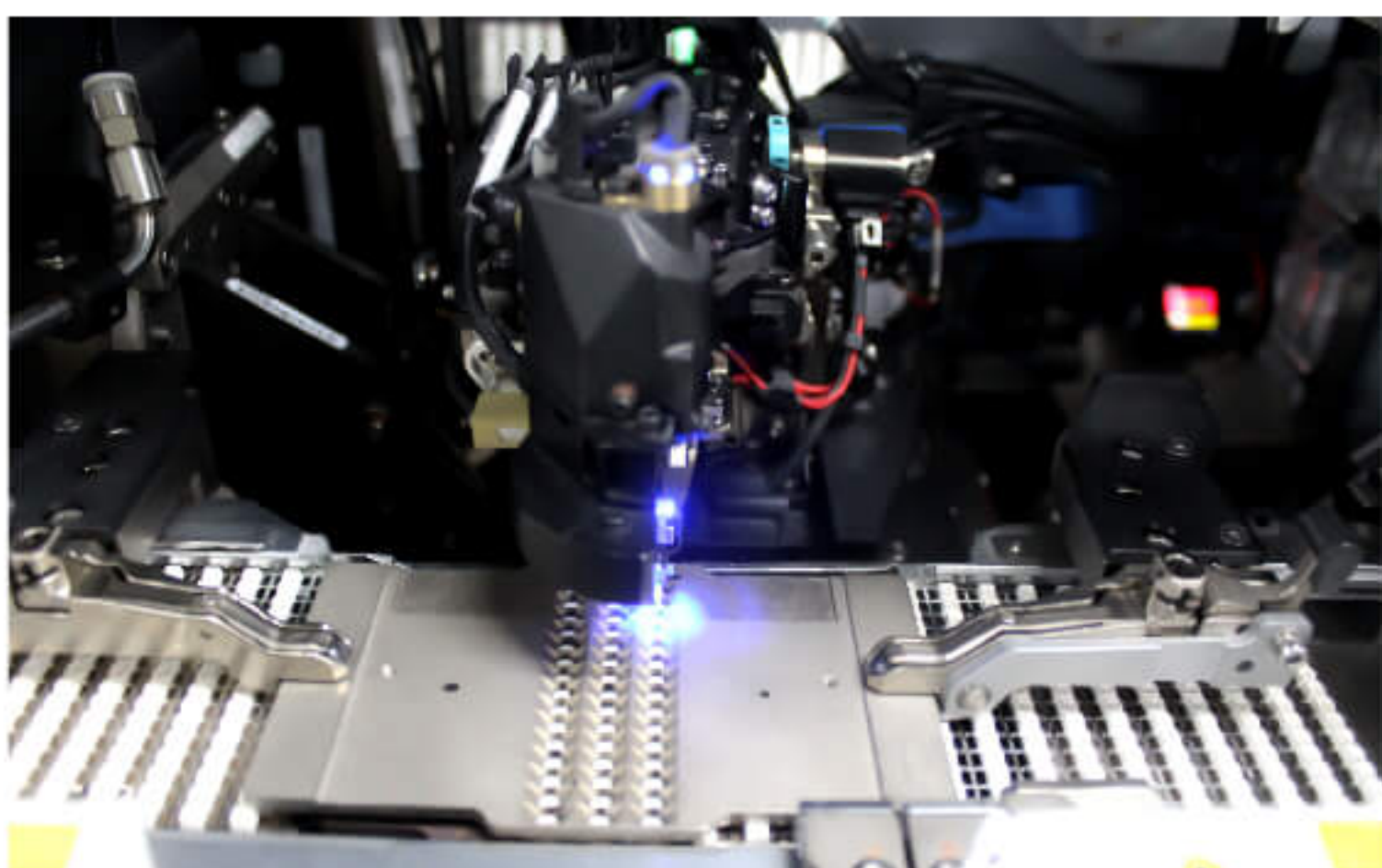
Part Number	Color	λ_d (nm)/CCT(K)	I_v (mcd)-Typ	I_v (mcd)-Min~Max	V_F (V)	I_F (mA)	$2\theta_{1/2}$
6SC3528V22D0CK01	Red	620-630nm	200		1.7-2.5	20	120
6SC3528V34HCKZ1	Red	630-640nm	11	8.5-14.5	1.6-2.2	2	120
6SC3528A22E0CK01	Amber	600-612nm	310	160-600	1.8-2.4	20	120
6SC3528Y22C0CK01	Yellow	585-597nm	190		1.8-2.4	20	120
5SC3528Y24J0CKZ2	Yellow	585-591nm	952	800-1300	1.7-2.5	20	120
6SC3528G72E0CKZ1	Green	520-535nm	1500	780-2800	2.9-3.5	20	120
6SC3528B12E0CKZ1	Blue	462.5-472.5nm	400	210-780	2.9-3.5	20	120



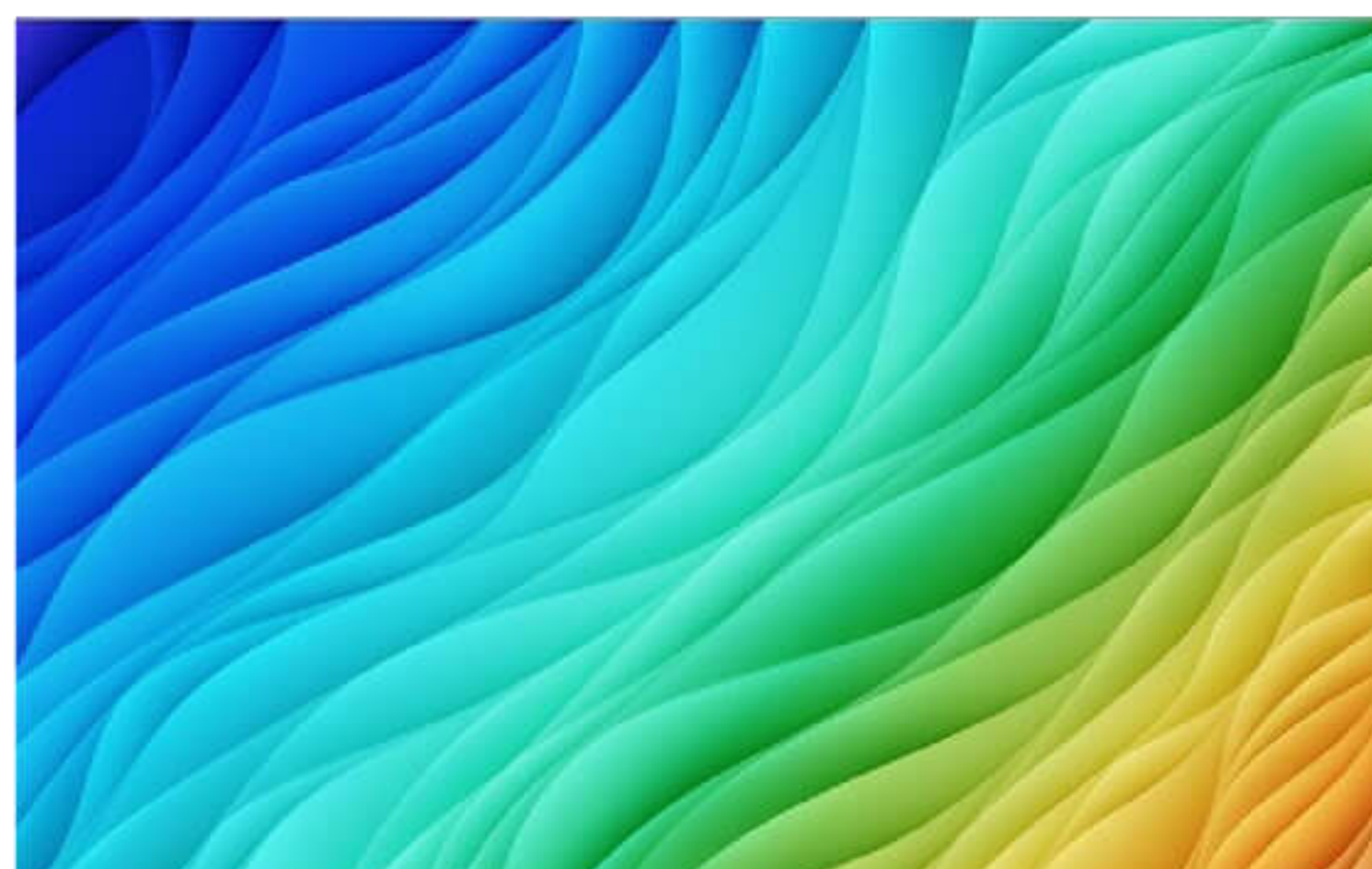
Part Number	Color	λ_d (nm)/CCT(K)	I_v (mcd)-Typ	I_v (mcd)-Min~Max	V_F (V)	I_F (mA)	$2\theta_{1/2}$
6SC3528W62F0WPZ1	Cyan	Cx0.192/Cy0.242	3050	2850-3250	2.8-3.3	30	120

EXTERIOR LIGHTING

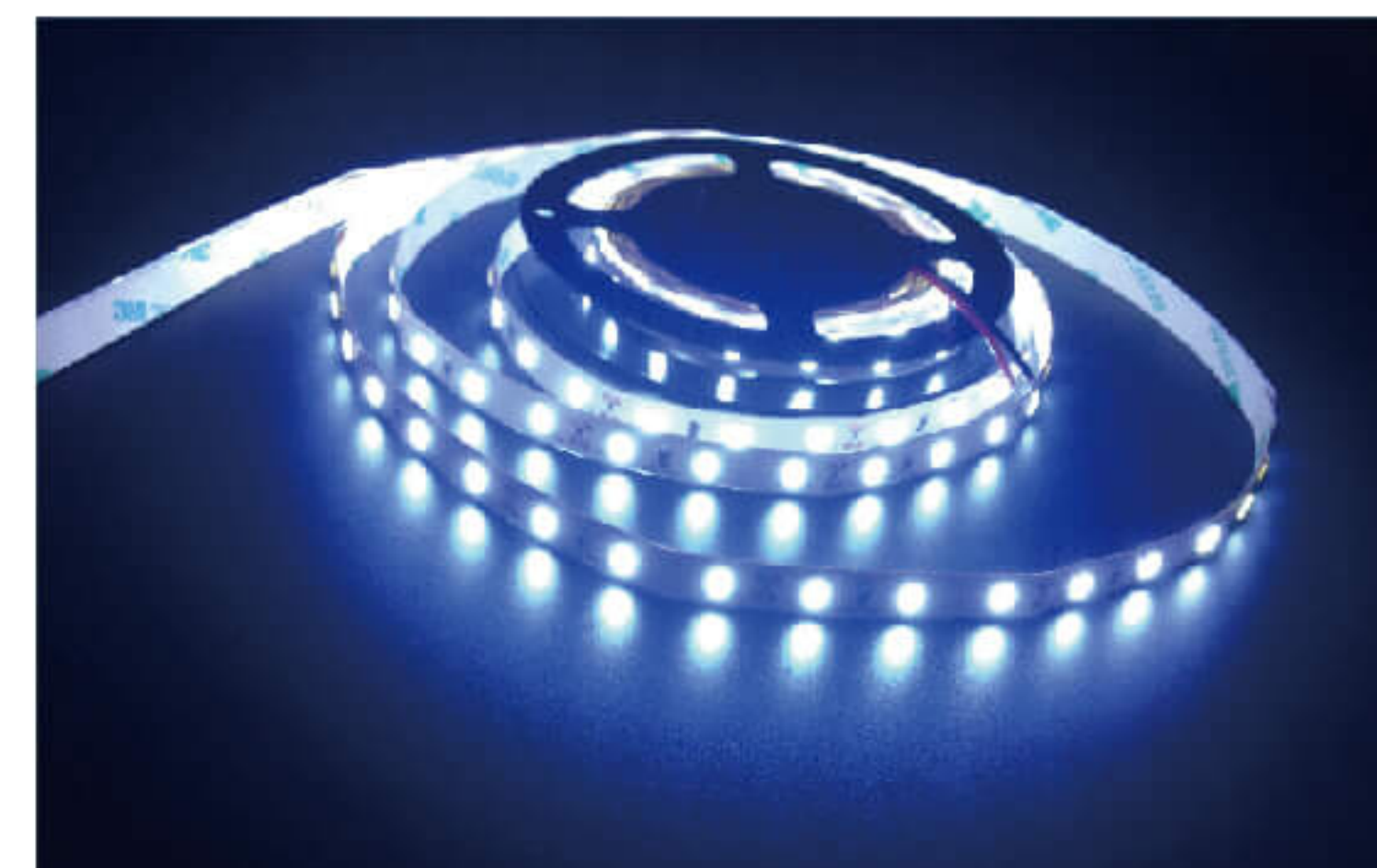
Product Features



Full range of power coverage including PLCC, EMC and ceramic packages up to 3W.



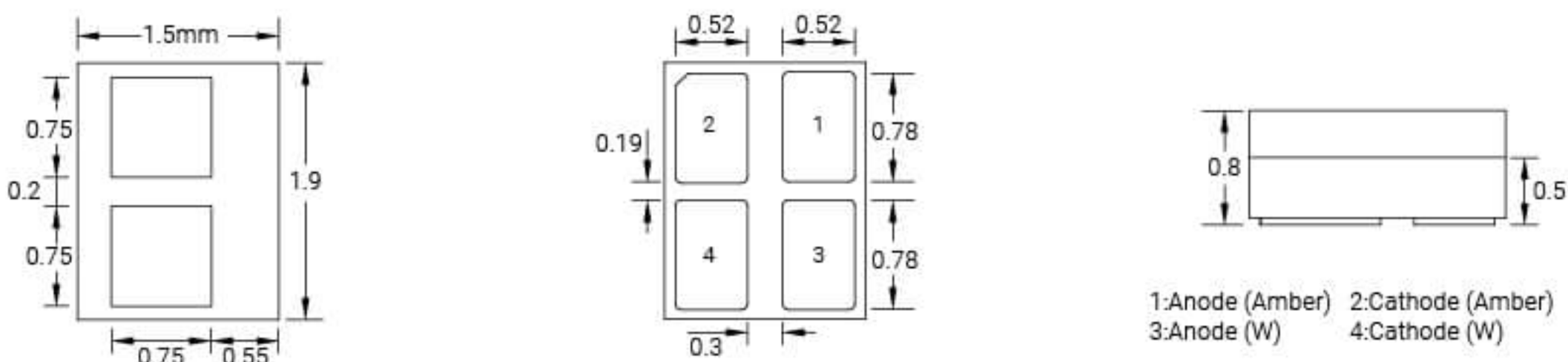
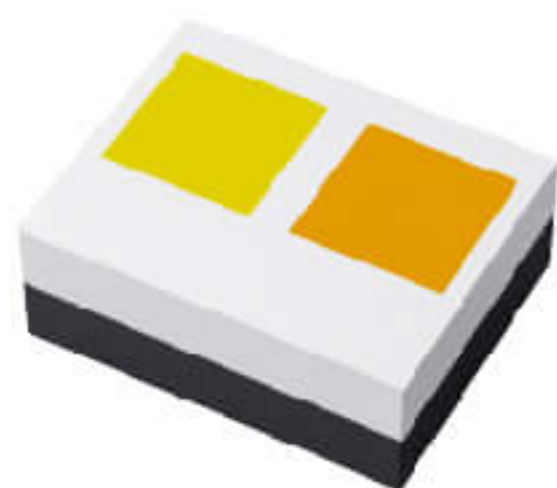
Product colors can cover the entire color gamut, providing customers with more diversified choices.



Adoption of inorganic material packaging in white light products for better luminous effect and reliability.

TOP LED 1519 Dual

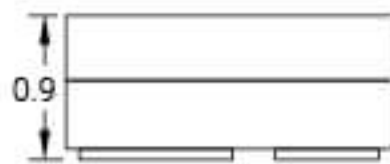
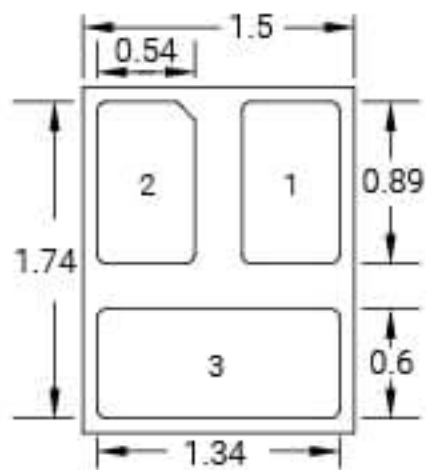
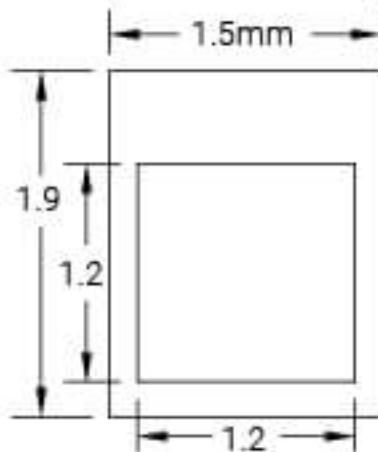
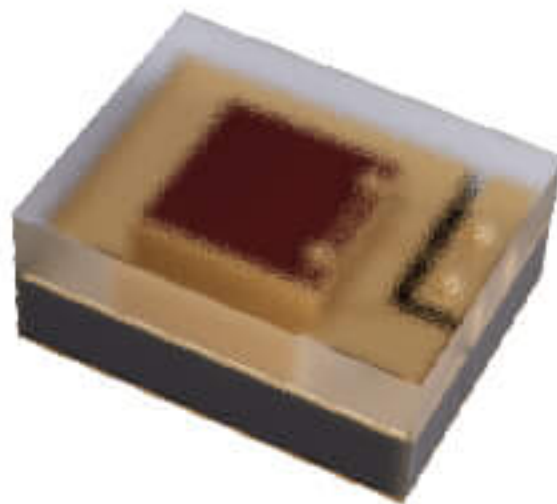
Size(L*W*H mm): 1.5*1.9*0.9



Part Number	Color	$\lambda_d(\text{nm})/\text{CCT}(\text{K})$	$\Phi_v(\text{lm})\text{-Typ}$	$\Phi_v(\text{lm})\text{-Min}\sim\text{Max}$	$V_F(\text{V})$	$I_F(\text{mA})$	$2\theta_{1/2}$
V51519WW0WNZ1	○ White	6000K	85	66-100	2.8-3.4	200	120
	● PC Amber	1700K	52	44-66	2.8-3.4	200	120

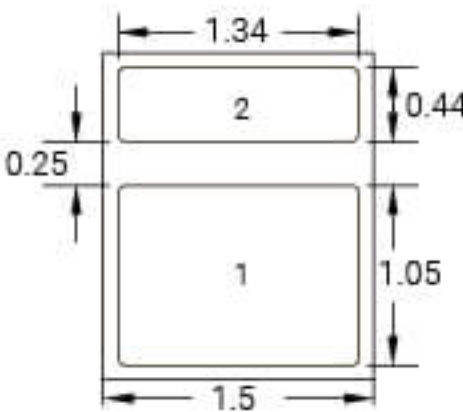
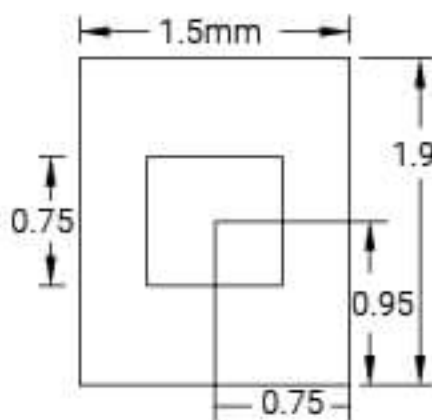
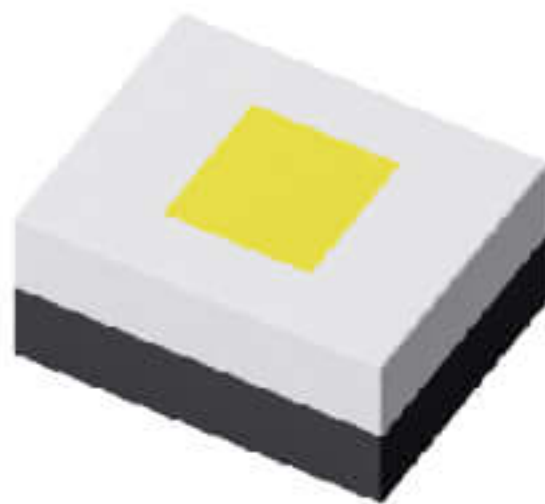
TOP LED 1519

Size(L*W*H mm): 1.5*1.9*0.9



1:Anode 2:Cathode

Part Number	Color	$\lambda_d(\text{nm})/\text{CCT}(\text{K})$	$\Phi_v(\text{lm})\text{-Typ}$	$\Phi_v(\text{lm})\text{-Min}\sim\text{Max}$	$V_F(\text{V})$	$I_F(\text{mA})$	$2\theta_{1/2}$
V51519V20CPN1	Red	620~630nm	50	38-76	2.2-2.8	500	120
V51519Y85CPN1	Yellow	585~597nm	40	32-66	2.2-2.8	500	120



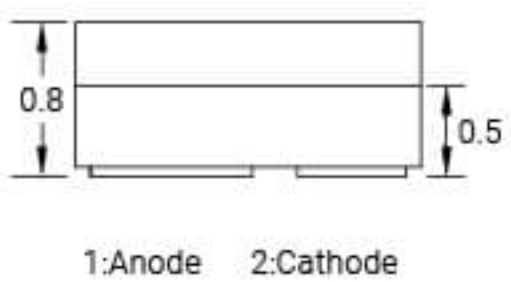
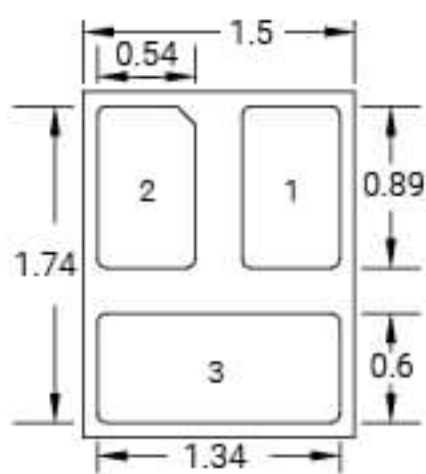
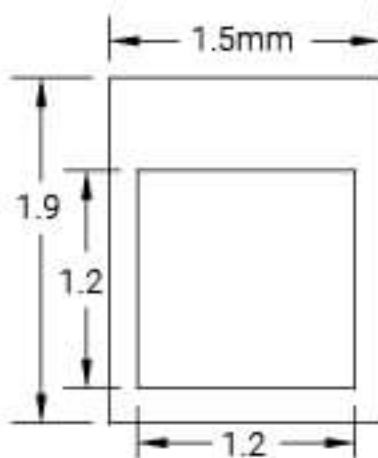
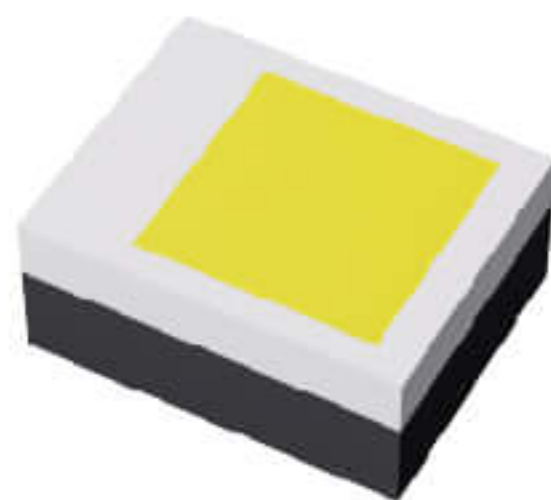
1:Anode 2:Cathode

Part Number	Color	$\lambda_d(\text{nm})/\text{CCT}(\text{K})$	$\Phi_v(\text{lm})\text{-Typ}$	$\Phi_v(\text{lm})\text{-Min}\sim\text{Max}$	$V_F(\text{V})$	$I_F(\text{mA})$	$2\theta_{1/2}$
V51519W40WLZ1	Cool White	6000K	55	44-46	2.8-3.4	150	120
V51519W40WNZ1	Cool White	6000K	120	100-150	2.8-3.6	350	120
V51519W10WLZ1	PC Amber	1700K	32	24-38	2.8-3.4	150	120
V51519W10WNZ1	PC Amber	1700K	72	58-87	2.8-3.6	350	120



Power TOP LED 1519

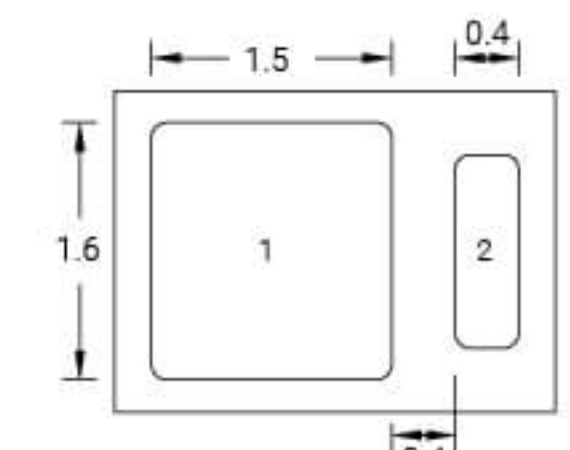
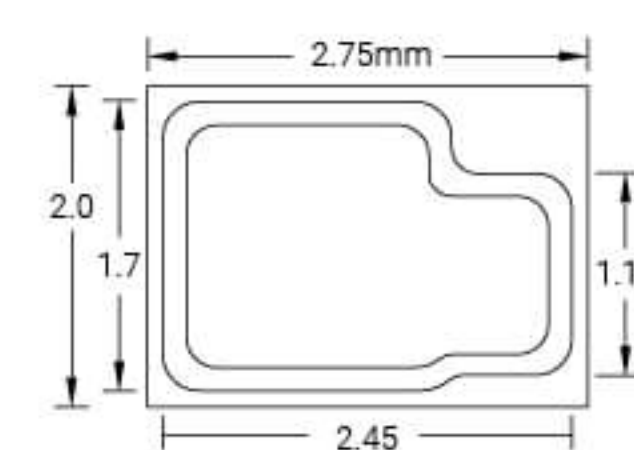
Size(L*W*H mm): 1.5*1.9*0.8



Part Number	Color	$\lambda_d(\text{nm})/\text{CCT}(\text{K})$	$\Phi_v(\text{lm})\text{-Typ}$	$\Phi_v(\text{lm})\text{-Min~Max}$	$V_F(\text{V})$	$I_F(\text{mA})$	$2\theta_{1/2}$
V51519W40WPZ1	 Cool White	6000K	200	180-220	2.8-3.8	500	120
V51519W40WQZ1	 Cool White	6000K	430	390-480	3.2-3.8	1000	120

TOP LED 2720

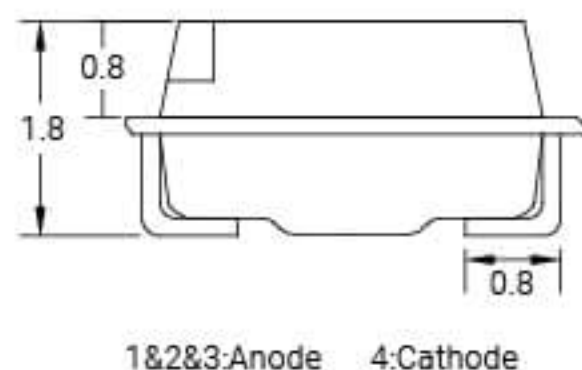
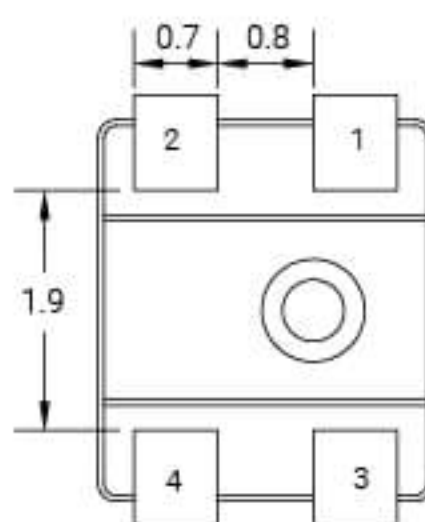
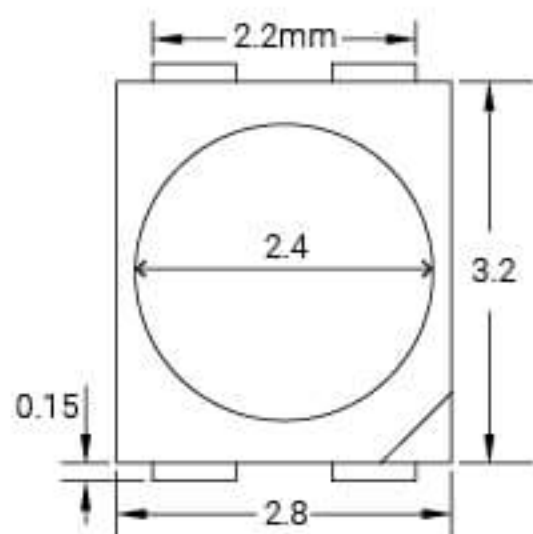
Size(L*W*H mm): 2.75*2.0*0.6



Part Number	Color	λ_d (nm)/CCT(K)	Φ_v (lm)-Typ	Φ_v (lm)-Min~Max	V_F (V)	I_F (mA)	$2\theta_{1/2}$
V52720V10CNN1	Red	613-623nm	38	28-50	1.8-2.8	200	120
V52720V20CNN1	Red	618-633nm	29	21-38	1.8-2.8	200	120
V52720Y85CNN1	Yellow	585-594nm	34	24-44	1.8-2.8	200	120
V52720W50VNZ1	Cool White	Cx0.318/Cy0.331	70	58-80	2.8-3.6	200	120
V52720W40WMZ1	Cool White	Cx0.325/Cy0.335	115	87-150	2.8-3.8	350	120
V52720W40WNZ1	Cool White	Cx0.325/Cy0.335	70	58-100	2.8-3.8	200	120
V52720W10WMZ1	PC Amber	Cx0.57/Cy0.42	60	50-87	2.8-3.8	350	120
V52720W10WNZ1	PC Amber	Cx0.57/Cy0.42	38	32-58	2.8-3.8	200	120
V52720W60WNZ1	Cyan	Cx0.17/Cy0.35	50	44-58	2.8-3.8	200	120

TOP LED 3528

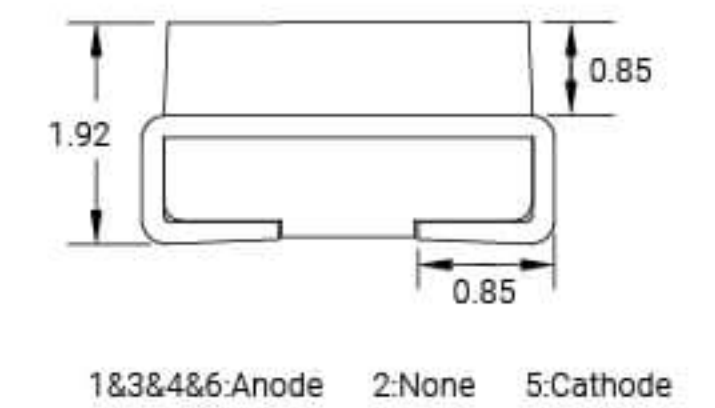
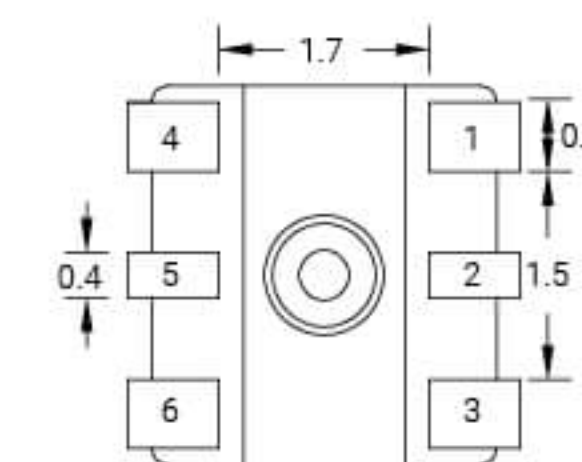
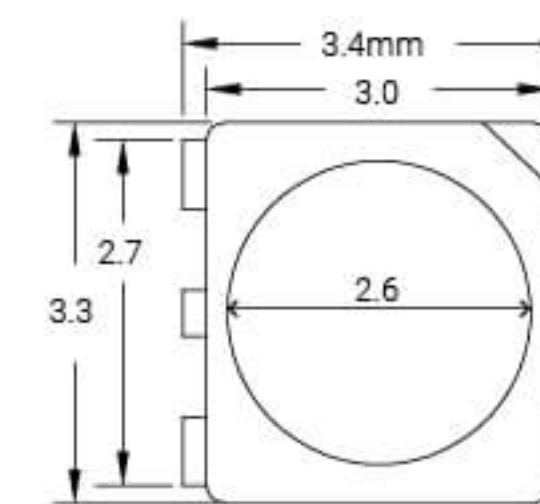
Size(L*W*H mm): 3.5*2.8*1.9



Part Number	Color	$\lambda_d(\text{nm})/\text{CCT}(\text{K})$	$I_v(\text{mcd})\text{-Typ}$	$I_v(\text{mcd})\text{-Min~Max}$	$V_F(\text{V})$	$I_F(\text{mA})$	$2\theta_{1/2}$
5SC3528V22J0CK01	Red	618-628nm	2900	2000-5000	1.8-2.6	50	120
5SC3528V14J0CK01	Red	610-620nm	3650	2200-6000	2.0-2.6	70	120
5SC3528V22J0CP01	Red	618-628nm	2900	2000-5000	1.8-2.6	50	120
5SC3528V14J0CP02	Red	612-621nm	3100	2500-4000	1.8-2.4	50	120
5SC3528Y24I0CP01	Yellow	585-597nm	2650	1300-3600	1.9-2.5	70	120

TOP LED 3433

Size(L*W*H mm): 3.4*3.3*1.92



Part Number	Color	λ_d (nm)/CCT(K)	Iv(mcd)-Typ	Iv(mcd)-Min~Max	V _F (V)	I _F (mA)	2 $\theta_{1/2}$
5Z3433AW35END1NQ	White	Cx0.322/Cy0.335	17270	10100-27638	2.7-3.6	140	120
5Z3433AW55ENZ1NQ	PC Amber	Cx0.5751/Cy0.415	13130	10100-22110	2.7-3.9	140	120
5Z3433AA26DN01NQ	Red	609-621nm	8110	6000-17000	1.9-2.5	140	120
5Z3433AV26DN01NQ	Red	620-630nm	6250	3600-13130	1.9-2.7	140	120
5Z3433AY26DN01NQ	Yellow	585-597nm	7350	3600-13130	1.9-2.7	140	120

AUTOMOTIVE SENSING

Product Features



The asymmetric light model achieves more uniform and clearer IR illumination, which lays a better foundation for the camera system's post-processing, resulting in a better image display.



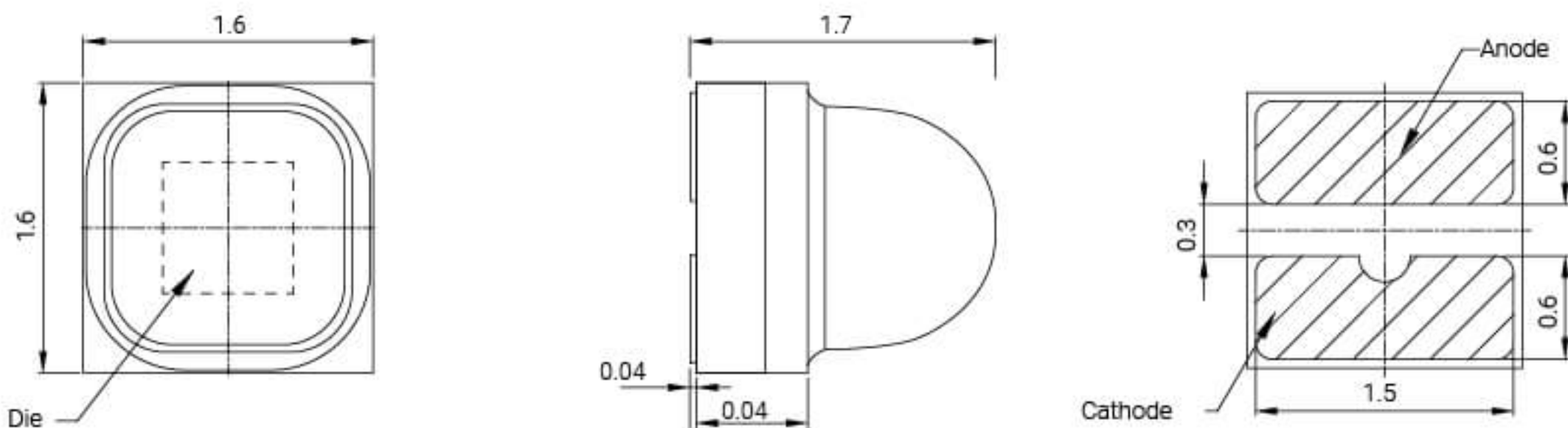
At a radiant power of $\pm 40^\circ$, the symmetry of the asymmetric optical mode is 30% higher than that of the conventional mode.



Class 1 laser device compliant with standard IEC 60825-1:2014.

Power Dome 1616 80°

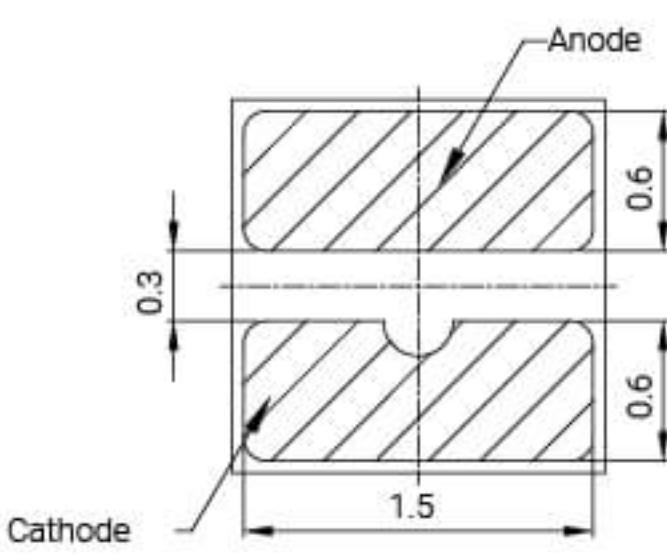
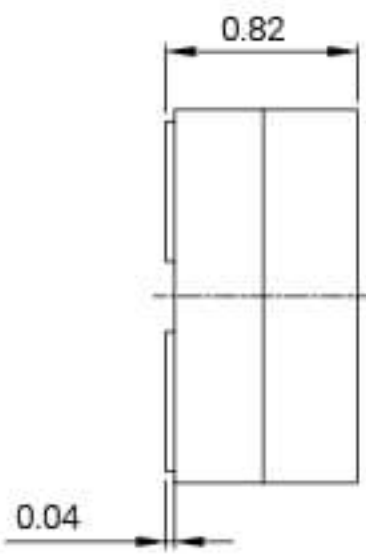
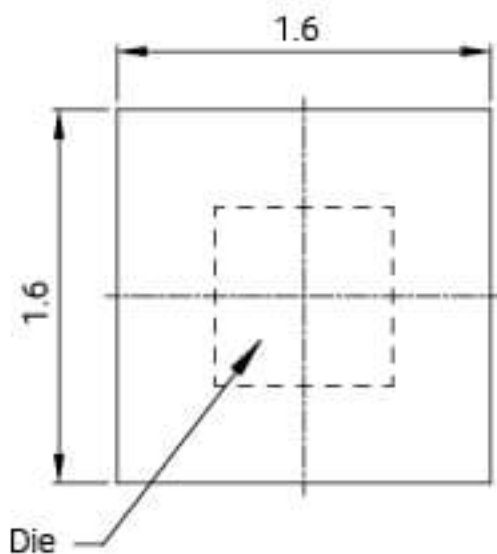
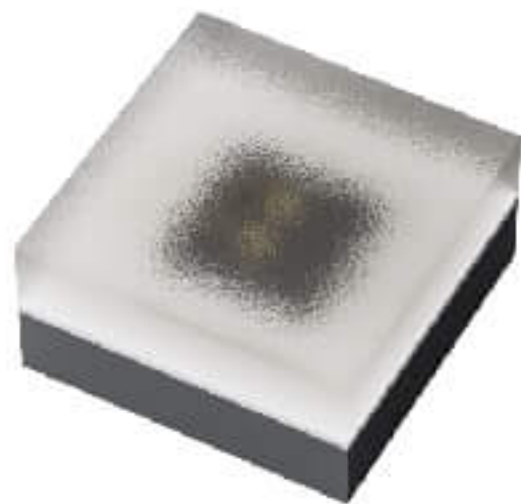
Size(L*W*H mm): 1.6*1.6*1.7



Part Number	λ_p (nm)	V_F Typ. (V) $I_F=1000mA$	Φ_e Typ. (mW) $I_F=1000mA$	I_e Typ. (mW/sr) $I_F=1000mA$	Viewing Angle
HE1616F85CQ00	850	1.7	600	310	80°
HE1616F85CQ01	850	3.3	1100	600	80°
HE1616F94CQ00	940	1.7	600	310	80°
HE1616F94CQ01	940	3.2	1100	600	80°

Power Flat 1616 130°

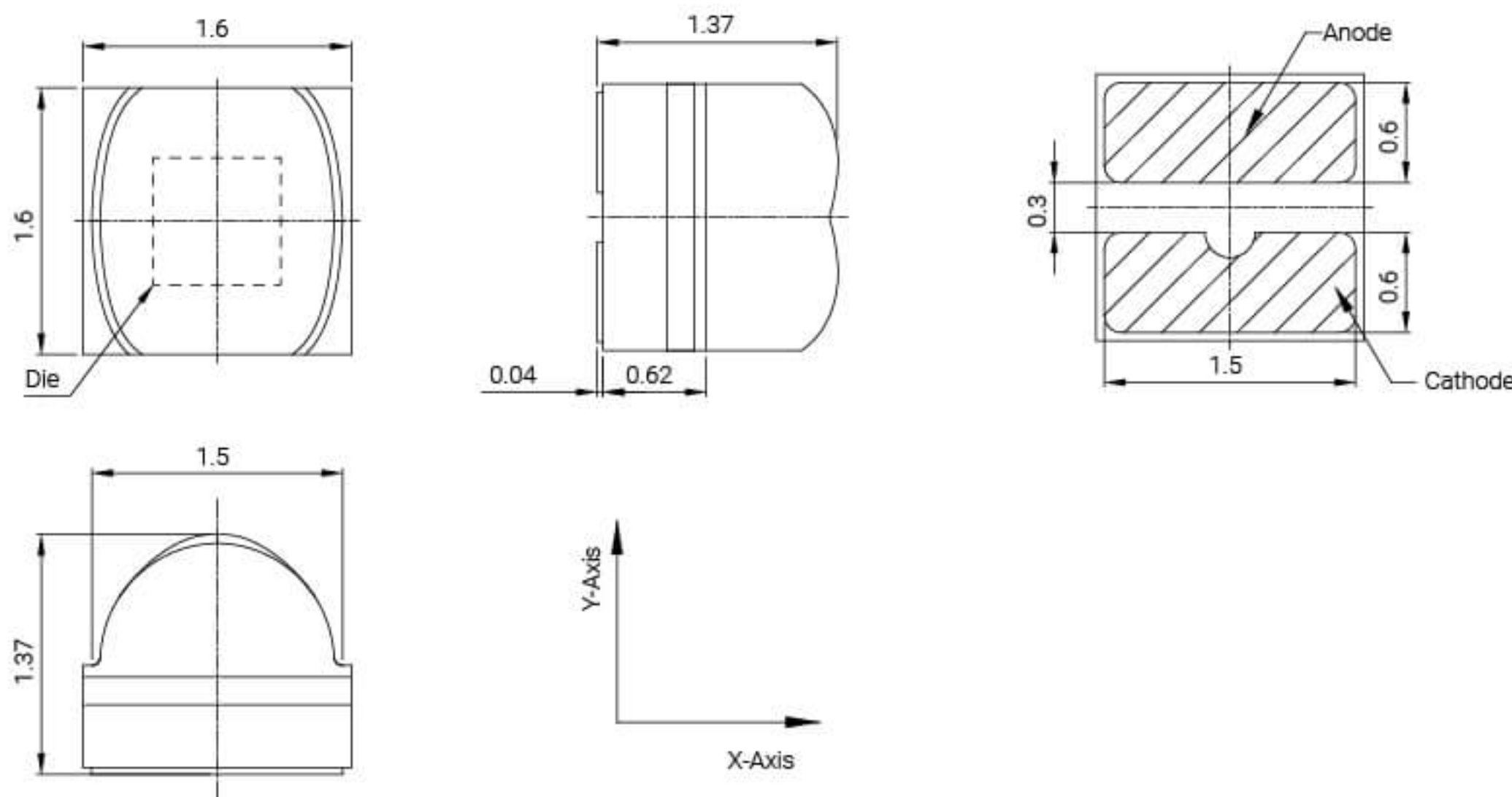
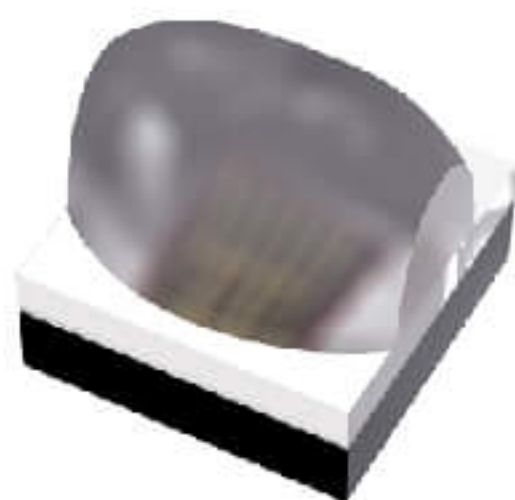
Size(L*W*H mm): 1.6*1.6*0.82



Part Number	λ_p (nm)	V_F Typ. (V) $I_F=1000mA$	Φ_e Typ. (mW) $I_F=1000mA$	I_e Typ. (mW/sr) $I_F=1000mA$	Viewing Angle
HL1616F85CQ00	850	1.75	570	200	130°
HL1616F85CQ01	850	3.3	1100	365	130°
HL1616F94CQ00	940	1.75	570	200	130°
HL1616F94CQ01	940	3.3	1100	400	130°

Power Asymmetric Dome 1616 130°x110°

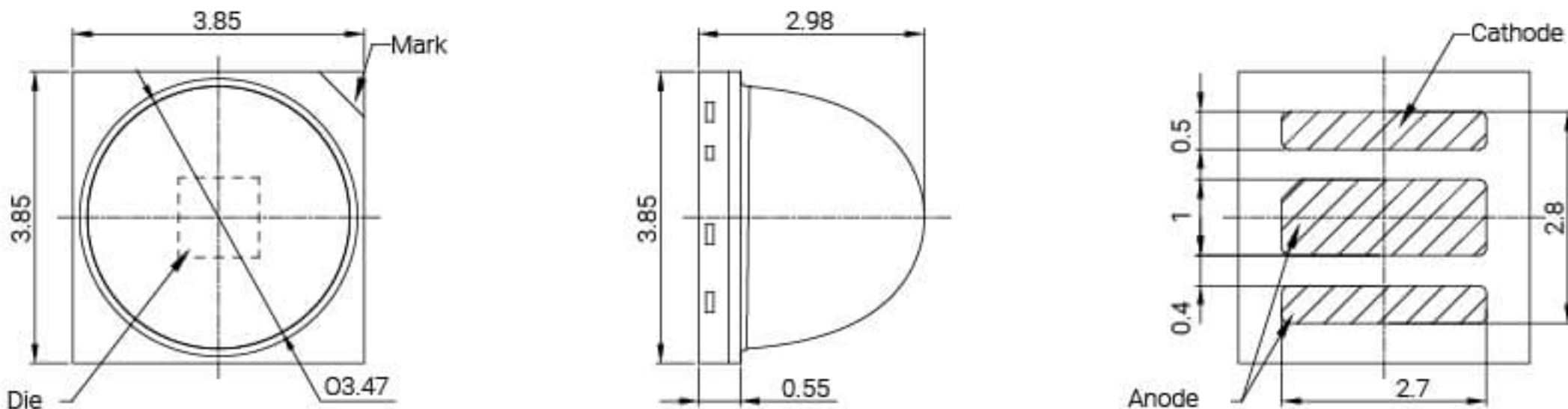
Size(L*W*H mm): 1.6*1.6*1.37



Part Number	λ_p (nm)	V_F Typ. (V) $I_F=1000mA$	Φ_e Typ. (mW) $I_F=1000mA$	I_e Typ. (mW/sr) $I_F=1000mA$	Viewing Angle
HF1616F85CQ00	850	1.7	600	205	130°X110°
HF1616F85CQ01	850	3.3	1400	480	130°X110°
HF1616F94CQ00	940	1.7	600	205	130°X110°
HF1616F94CQ01	940	3.2	1400	480	130°X110°

Power Dome 3838 40°/50°

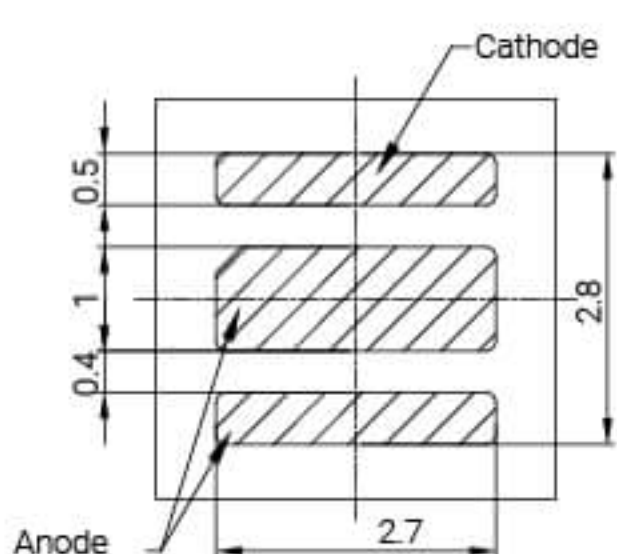
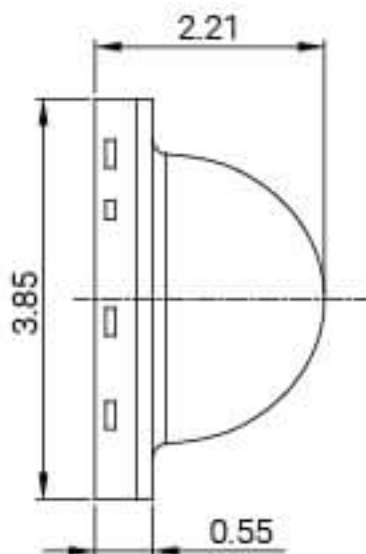
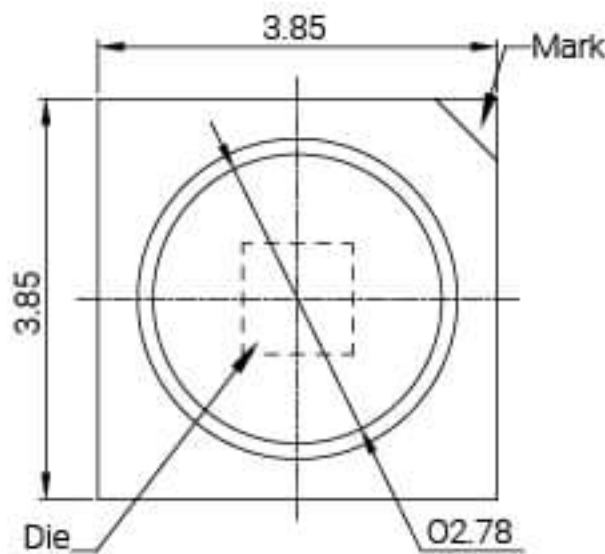
Size(L*W*H mm): 3.85*3.85*2.98



Part Number	λ_p (nm)	V_F Typ. (V) $I_F=1000mA$	Φ_e Typ. (mW) $I_F=1000mA$	I_e Typ. (mW/sr) $I_F=1000mA$	Viewing Angle
SF3838F85CQ00	850	1.7	950	730	40°
SF3838F85CQ01	850	3.25	1360	1050	50°
SF3838F94CQ00	940	1.6	800	650	50°
SF3838F94CQ01	940	3.1	1400	1200	50°

Power Dome 3838 80°/90°

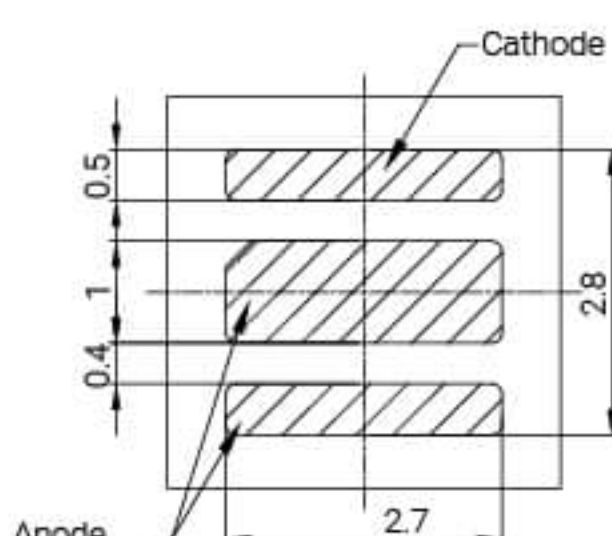
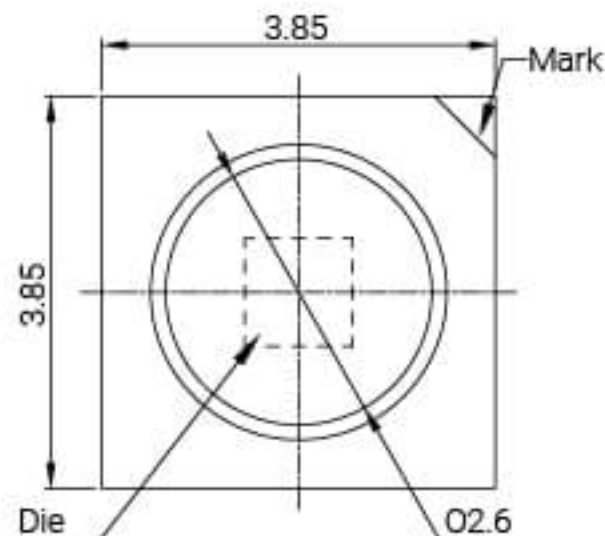
Size(L*W*H mm): 3.85*3.85*2.21



Part Number	λ_p (nm)	V_F Typ. (V) $I_F=1000mA$	Φ_e Typ. (mW) $I_F=1000mA$	I_e Typ. (mW/sr) $I_F=1000mA$	Viewing Angle
SH3838F85CQ00	850	1.7	950	430	80°
SD3838F85CQ01	850	1.7	950	430	90°
SD3838F85CQ00	850	3.25	1360	700	90°
SD3838F94CQ01	940	1.6	800	430	90°
SD3838F94CQ00	940	3.1	1400	750	90°

Power Dome 3838 130°/150°

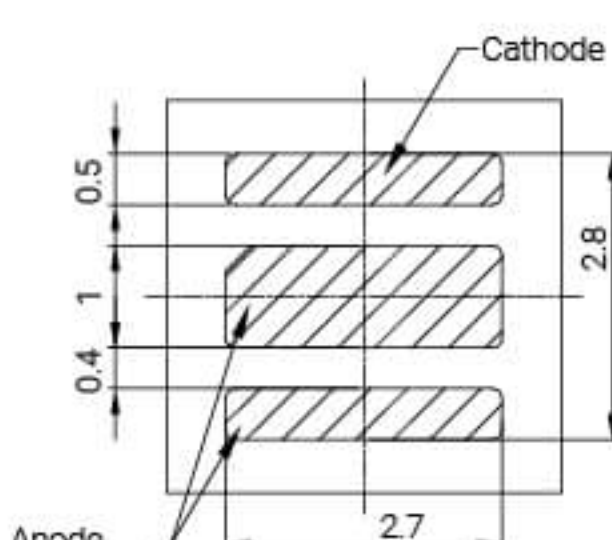
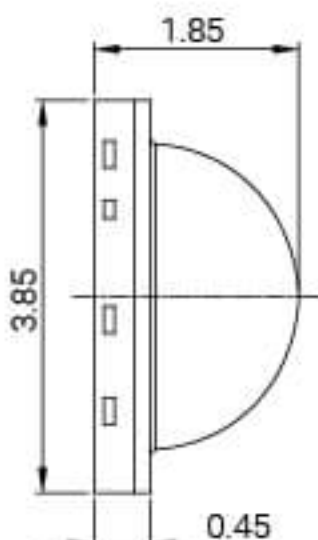
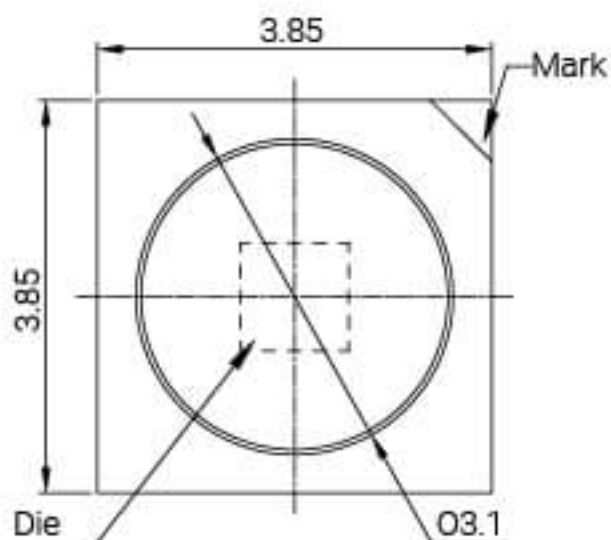
Size(L*W*H mm): 3.85*3.85*1.51



Part Number	λ_p (nm)	V_F Typ. (V) $I_F=1000mA$	Φ_e Typ. (mW) $I_F=1000mA$	I_e Typ. (mW/sr) $I_F=1000mA$	Viewing Angle
SJ3838F85CQ00	850	1.7	950	250	130°
SJ3838F85CQ01	850	3.25	1360	350	150°
SJ3838F94CQ00	940	1.6	800	250	150°
SJ3838F94CQ01	940	3.1	1400	420	150°

Power Low-red Glow Emitting Dome 3838 50°/120°

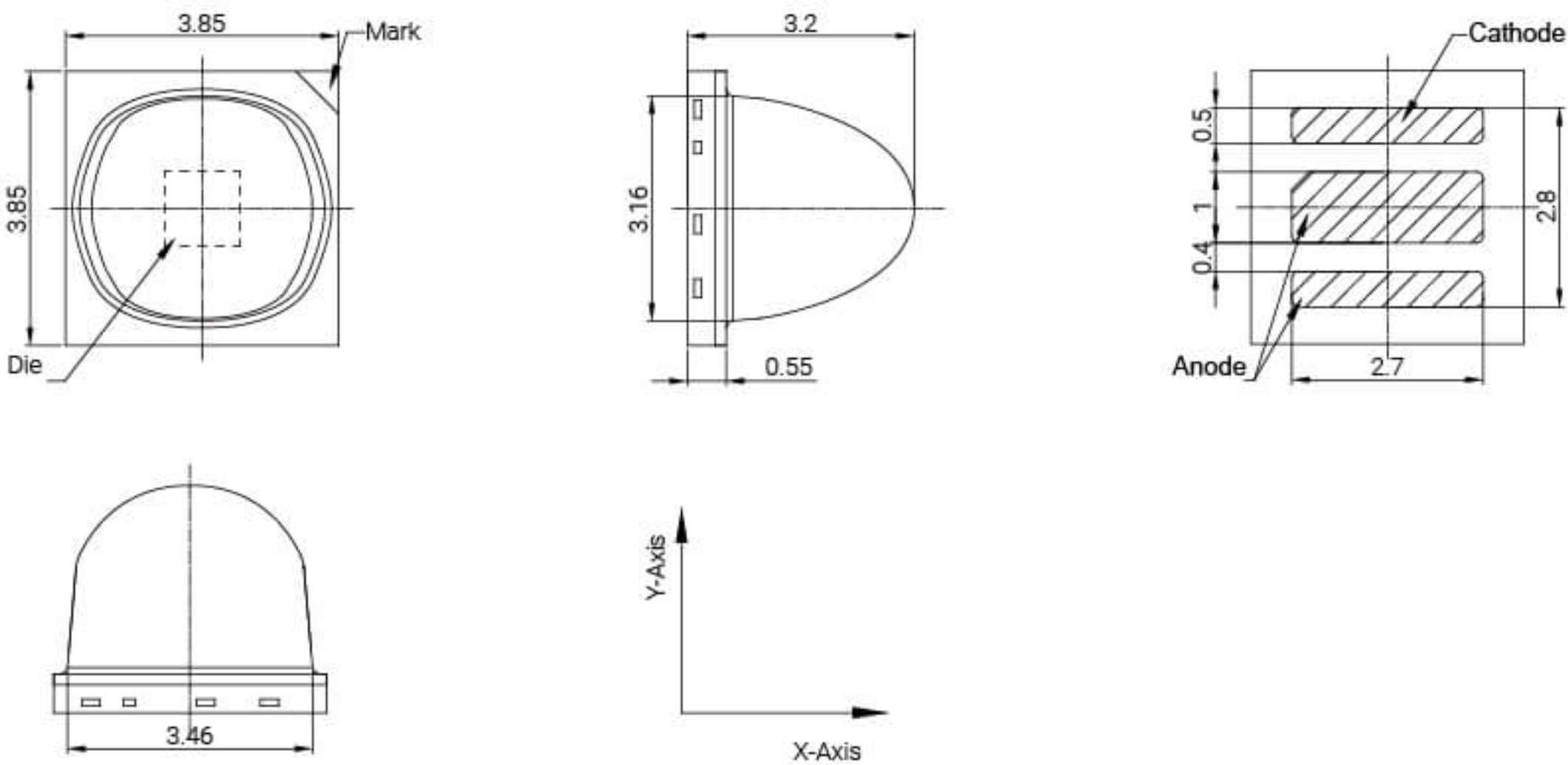
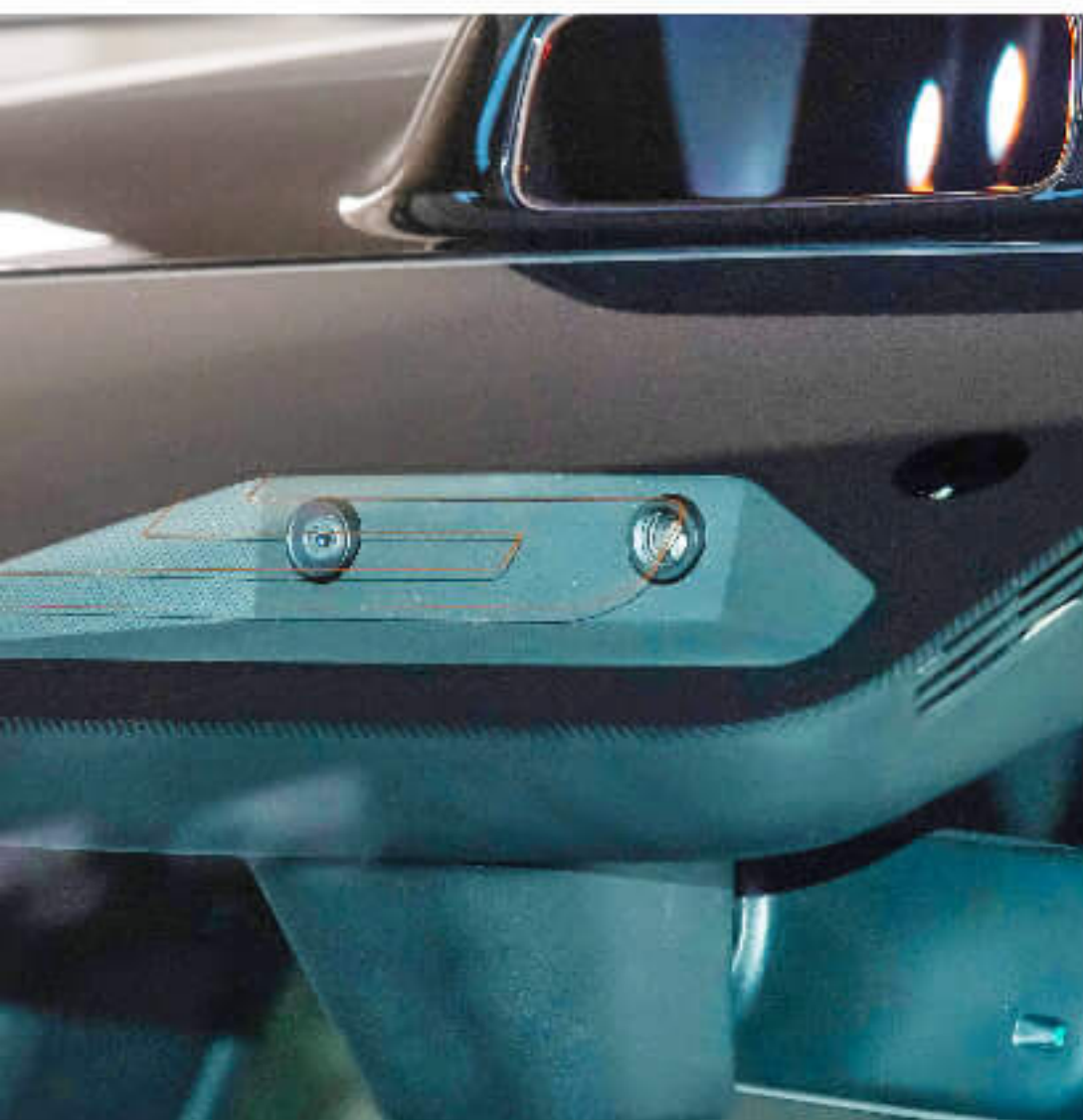
Size(L*W*H mm): 3.85*3.85*2.98



Part Number	λ_p (nm)	V_F Typ. (V) $I_F=1000mA$	Φ_e Typ. (mW) $I_F=1000mA$	I_e Typ. (mW/sr) $I_F=1000mA$	Viewing Angle
SF3838F96CQ00	960	1.4	650	530	50°
SF3838F96CQ01	960	3	1500	1220	50°
SP3838F96CQ00	960	1.4	650	245	120°
SP3838F96CQ01	960	3	1500	560	120°

Power Asymmetric 3838 45°x25°

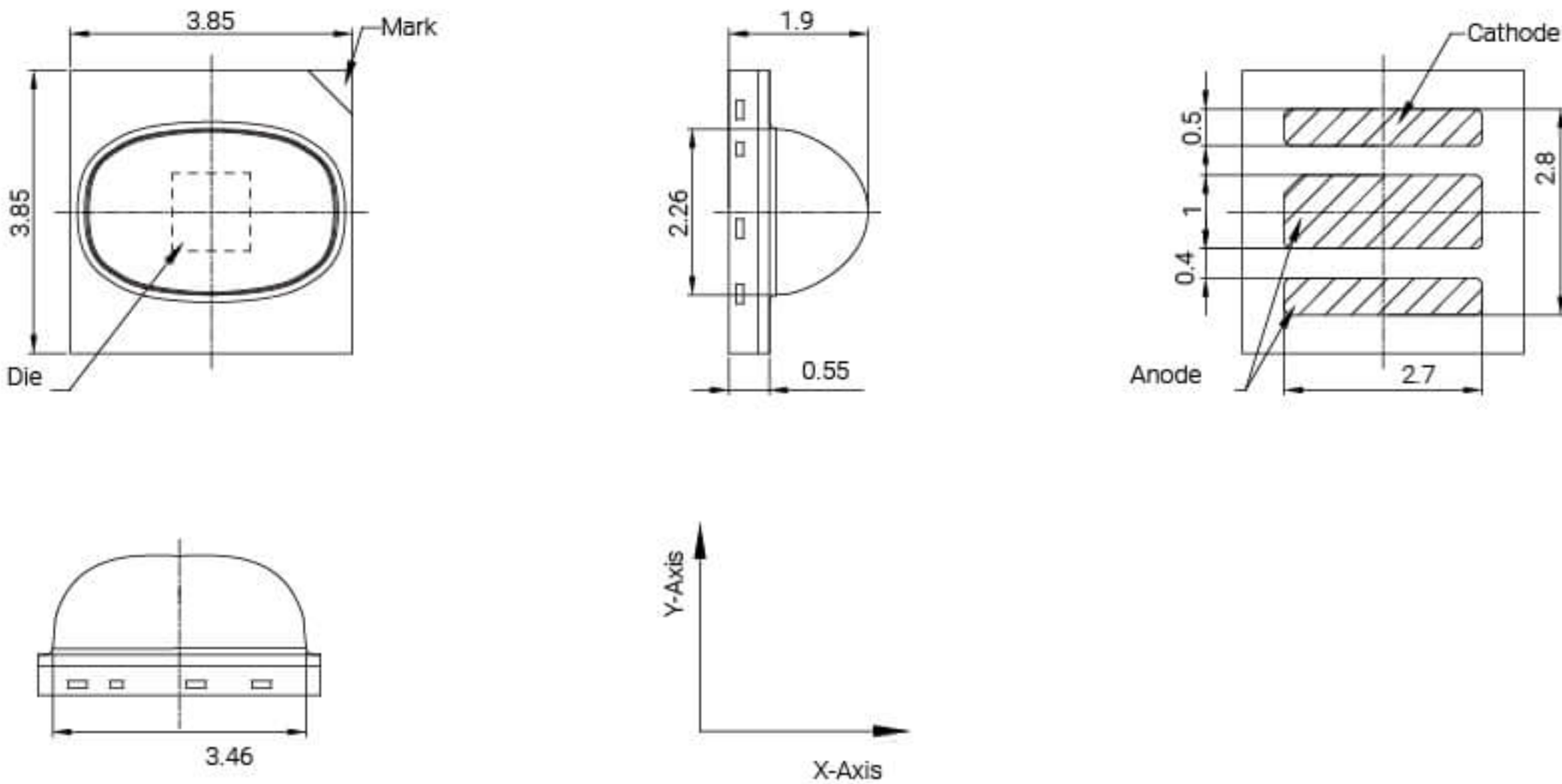
Size(L*W*H mm): 3.85*3.85*3.3



Part Number	λ_p (nm)	V_F Typ. (V) $I_F=1000mA$	Φ_e Typ. (mW) $I_F=1000mA$	I_e Typ. (mW/sr) $I_F=1000mA$	Viewing Angle
SK3838F85CQ00	850	3.4	1200	1700	45°X25°
SK3838F94CQ00	940	3.2	1200	1700	45°X25°

Power Asymmetric 3838 130°x80°/150°x90°

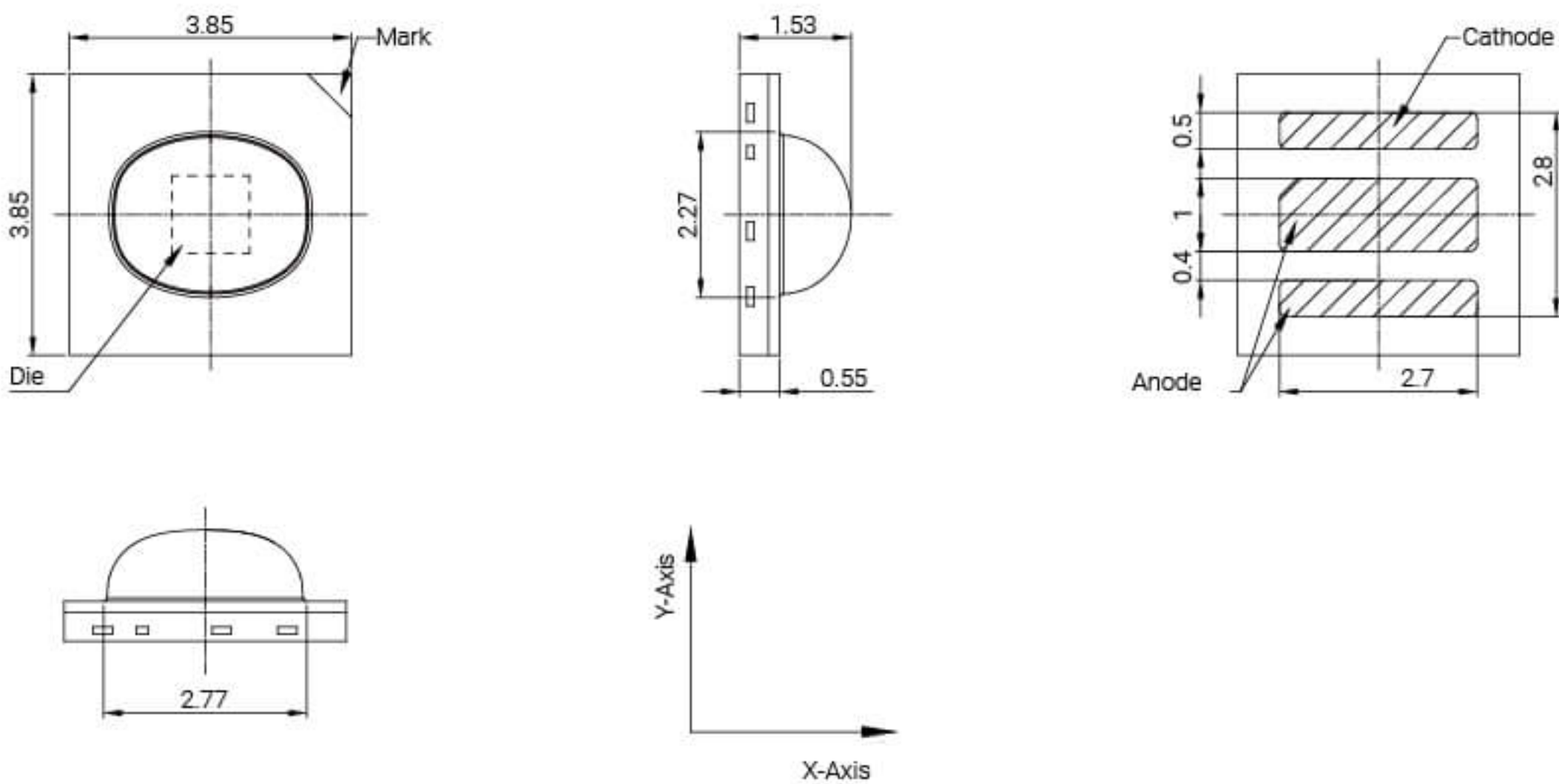
Size(L*W*H mm): 3.85*3.85*1.9



Part Number	λ_p (nm)	V_F Typ. (V) $I_F=1000mA$	Φ_e Typ. (mW) $I_F=1000mA$	I_e Typ. (mW/sr) $I_F=1000mA$	Viewing Angle
SL3838F85CQ00	850	1.7	950	280	130°X80°
SL3838F85CQ01	850	3.25	1360	420	150°X90°
SL3838F94CQ00	940	1.6	800	250	150°X90°
SL3838F94CQ01	940	3.1	1400	420	150°X90°

Power Asymmetric Dome 3838 150°X130°

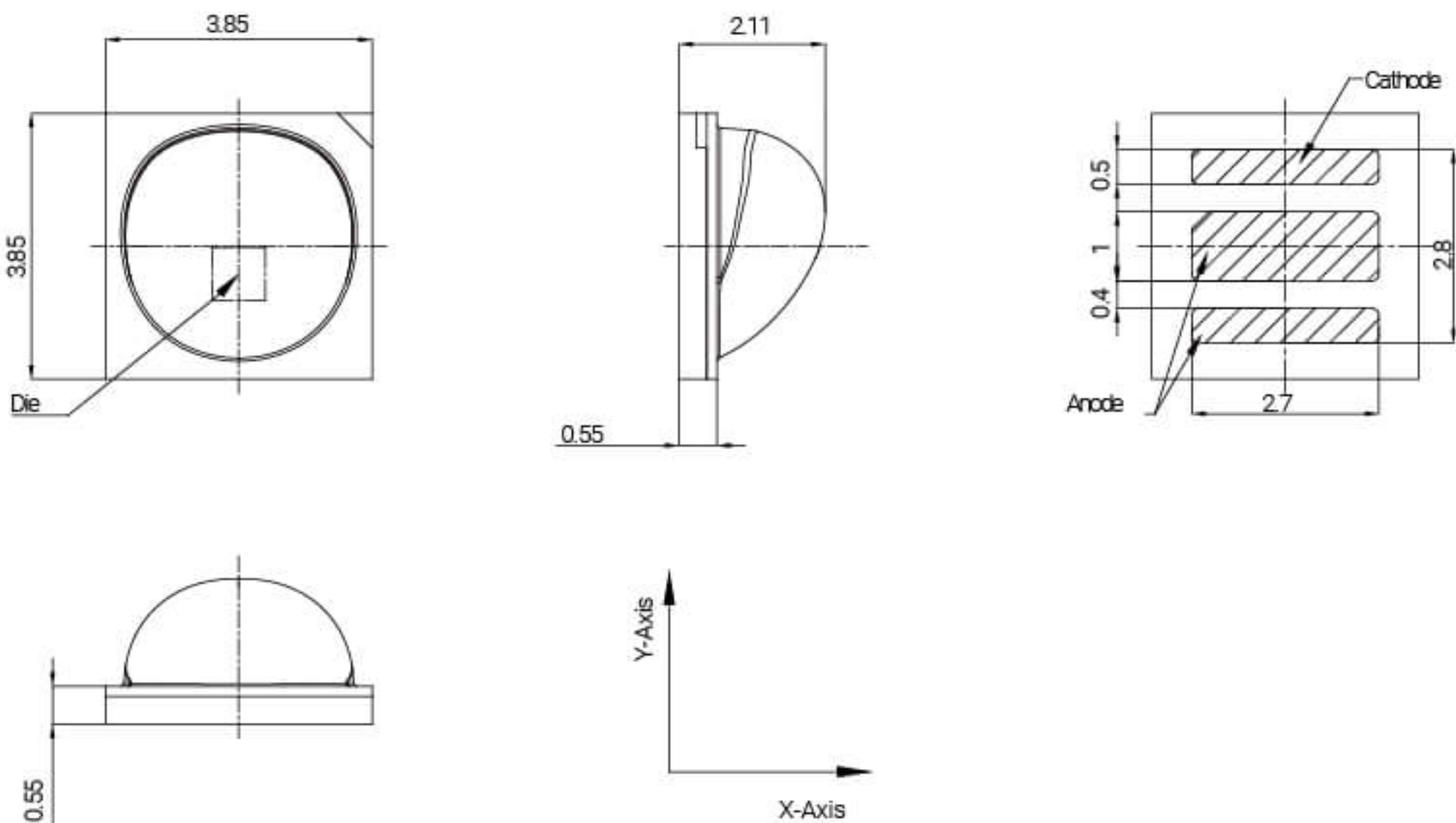
Size(L*W*H mm): 3.85*3.85*1.53



Part Number	λ_p (nm)	V_F Typ. (V) $I_F=1000mA$	Φ_e Typ. (mW) $I_F=1000mA$	I_e Typ. (mW/sr) $I_F=1000mA$	Viewing Angle
SQ3838F85CQ00	850	1.7	950	285	150°X130°
SQ3838F85CQ01	850	3.25	1360	410	150°X130°
SQ3838F94CQ00	940	3.1	1360	410	150°X130°
SQ3838F94CQ01	940	1.6	800	240	150°X130°

Power Off-Axis Dome 3838 OA60°

Size(L*W*H mm): 3.85*3.85*2.15

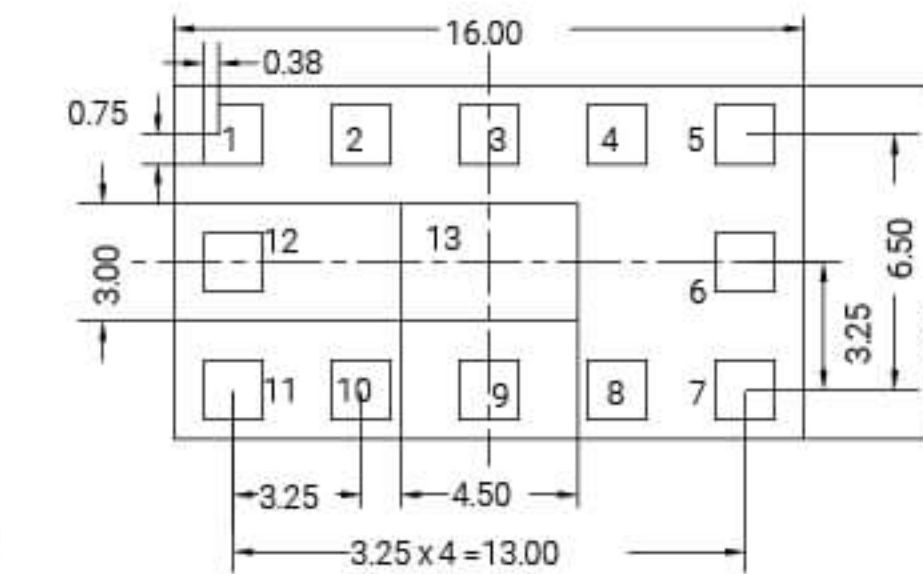
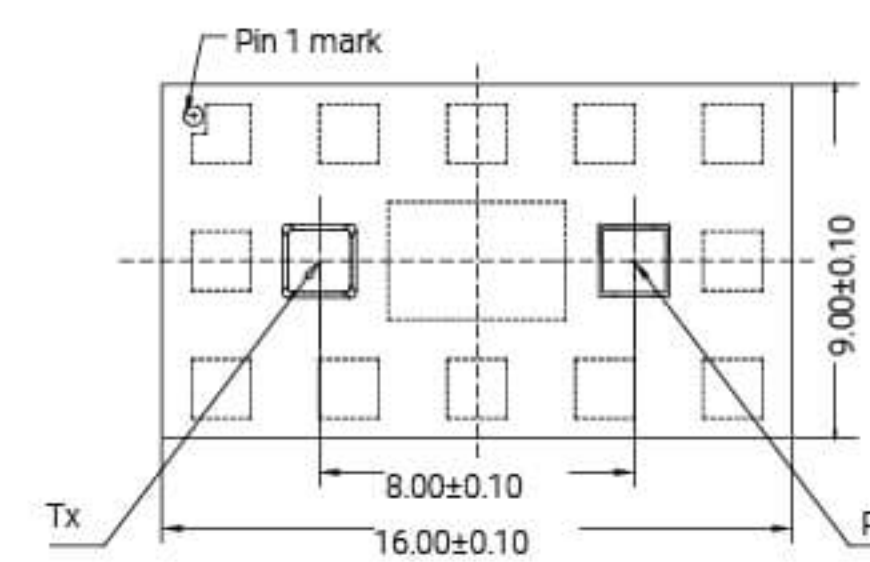


Part Number	λ_p (nm)	V_F Typ. (V) $I_F=1000\text{mA}$	Φ_e Typ. (mW) $I_F=1000\text{mA}$	I_e Typ. (mW/sr) $I_F=1000\text{mA}$	Viewing Angle
SN3838F85CQ01	850	3.4	1400	320	OA60°
SN3838F94CQ01	940	3.2	1400	320	OA60°



Multiple Zone iToF 1609

Size(L*W*H mm): 16.0*9.0*1.66



1:VCSEL_VDD 2:VCSEL_GND
3/4/7/8:NC 5:XSHUT
6:GND1 9:SDA 10:SCL
11:VDD 12:GND2 13:TPAD

Part Number	Working Distance(mm)	Voltage (V)	TX-λ _e (nm)	FOV(°Degree)	Standby-current (uA)
MA1609F85BL00	4000mm@90% White Card 3500@18% Grey Card	3.3	850	30X20	6X4
MA1609F94BL00	4000mm@90% White Card 3500@18% Grey Card	3.3	940	30X20	4X4



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