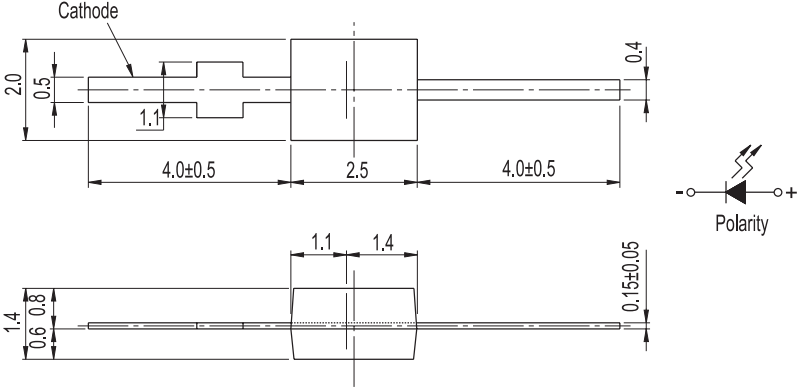


Part Number EL-xxxx	Lens Color	V _F (V) at I _F = 10uA	
		Min.	Max.

Constant Voltage Diode (Axial Type) LED

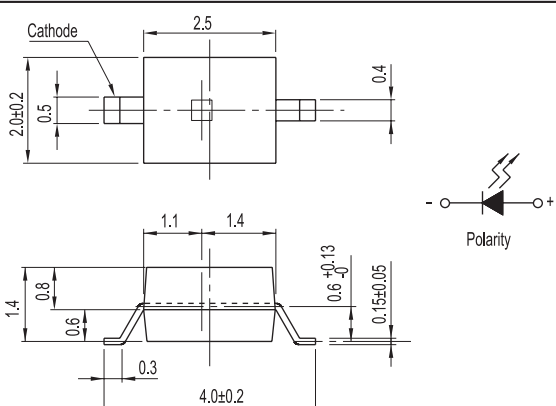
UNIT: mm

  			
28-21/2/F5	Black Diff.	1.32	1.52
28-21/03/F5		1.48	1.62
28-21/04/F5		1.48	1.64

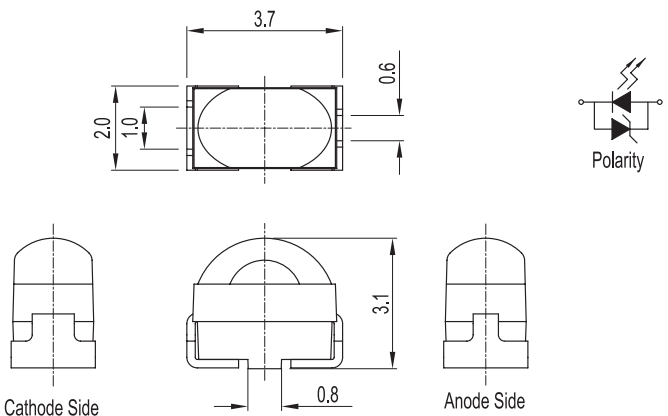
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

1.4mm Height Subminiature, Axial Flat Top View LED

UNIT: mm

									
28-21 UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	10	12	150
28-21 SUBC/S400-A4/TR8	InGaN	Blue	470		3.5	4.3	14.5	20.5	
28-21 SUGC/S400-A4/TR8	InGaN	Super Green	525		3.5	4.3	112	167	
28-21 SYGC/S530-E2/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	16	20	
28-21 UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	12	30	
28-21 UYOC/S530-A2/TR8	AlGaInP	Super Yellow Orange	605		2.0	2.4	12	30	
28-21 SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	12	29	

Luminosity white color LED

									
44-11 UWC/TR8	InGaN	White	x=0.29 y=0.30	Water Clear	3.3	3.7	700	1400	110

Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

1.9mm Round Subminiature "Gull Wing" Lead LED

UNIT: mm

91-21 UBC/C430/TR7	GaN/SiC	Blue	466	Water Clear	3.8	4.5	160	203	25
91-21 SUBC/S400-A4/TR7	InGaIn	Blue	470		3.5	4.3	400	500	
91-21 SUGC/S400-A4/TR7	InGaIn	Super Green	525		3.5	4.3	2000	2300	
91-21 SYGC/S530-E2/TR7	AlGaInP	Super Yellow Green	573		2.0	2.0	264	330	
91-21 UYC/S530-A2/TR7	AlGaInP	Super Yellow	589		2.0	2.4	198	496	
91-21 UYOC/S530-A2/TR7	AlGaInP	Super Yellow Orange	605		2.0	2.4	198	496	
91-21 SURC/S530-A2/TR7	AlGaInP	Hyper Red	624		2.0	2.4	198	482	

1.9mm Round Subminiature "Yoke" Lead LED

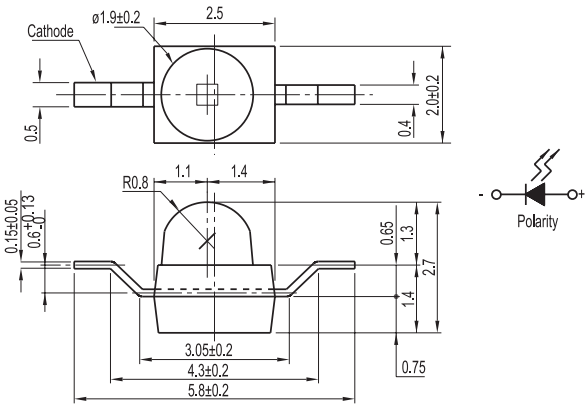
91-21 UBC/C430/TR9	GaN/SiC	Blue	466	Water Clear	3.8	4.5	160	203	25
91-21 SUBC/S400-A4/TR9	InGaIn	Blue	470		3.5	4.3	400	500	
91-21 SUGC/S400-A4/TR9	InGaIn	Super Green	525		3.5	4.3	2000	2300	
91-21 SYGC/S530-E2/TR9	AlGaInP	Super Yellow Green	573		2.0	2.4	264	330	
91-21 UYC/S530-A2/TR9	AlGaInP	Super Yellow	589		2.0	2.4	198	496	
91-21 UYOC/S530-A2/TR9	AlGaInP	Super Yellow Orange	605		2.0	2.4	198	496	
91-21 SURC/S530-A2/TR9	AlGaInP	Hyper Red	624		2.0	2.4	198	482	

EVERLIGHT SMD FOR LEAD FRAME TYPE

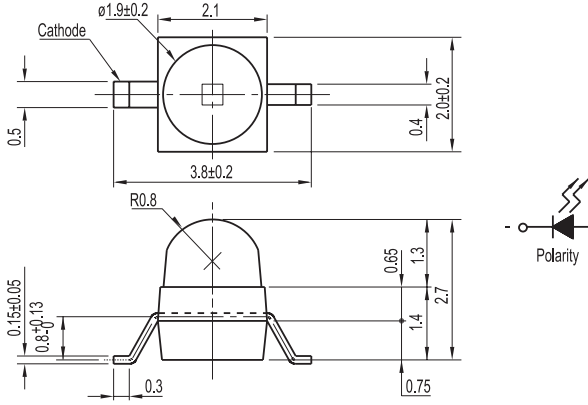
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

1.9mm Round Subminiature "Z-Bend" Lead LED

UNIT: mm

									
91-21 UBC/C430/TR10	GaN/SiC	Blue	466	Water Clear	3.8	4.5	160	203	25
91-21 SUBC/S400-A4/TR10	InGaN	Blue	470		3.5	4.3	400	500	
91-21 SUGC/S400-A4/TR10	InGaN	Super Green	525		3.5	4.3	2000	2300	
91-21 SYGC/S530-E2/TR10	AlGaInP	Super Yellow Green	573		2.0	2.4	264	330	
91-21 UYC/S530-A2/TR10	AlGaInP	Super Yellow	589		2.0	2.4	198	496	
91-21 UYOC/S530-A2/TR10	AlGaInP	Super Yellow Orange	605		2.0	2.4	198	496	
91-21 SURC/S530-A2/TR10	AlGaInP	Hyper Red	624		2.0	2.4	198	482	

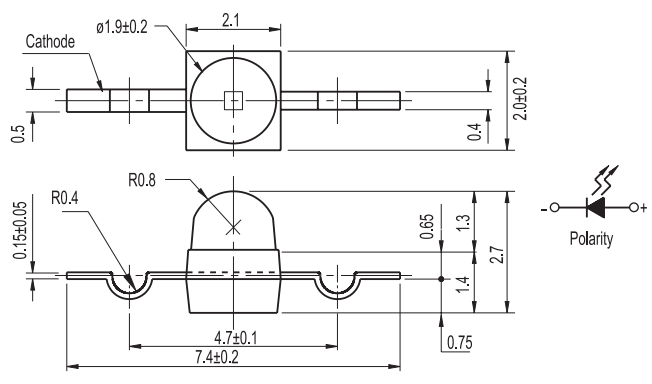
1.9mm Round Subminiature "Gull Wing" Lead (Square Base) LED

									
95-21 UBC/C430/TR7	GaN/SiC	Blue	466	Water Clear	3.8	4.5	160	203	25
95-21 SUBC/S400-A4/TR7	InGaN	Blue	470		3.5	4.3	400	500	
95-21 SUGC/S400-A4/TR7	InGaN	Super Green	525		3.5	4.3	2000	2300	
95-21 SYGC/S530-E2/TR7	AlGaInP	Super Yellow Green	573		2.0	2.4	264	330	
95-21 UYC/S530-A2/TR7	AlGaInP	Super Yellow	589		2.0	2.4	198	496	
95-21 UYOC/S530-A2/TR7	AlGaInP	Super Yellow Orange	605		2.0	2.4	198	496	
95-21 SURC/S530-A2/TR7	AlGaInP	Hyper Red	624		2.0	2.4	198	482	

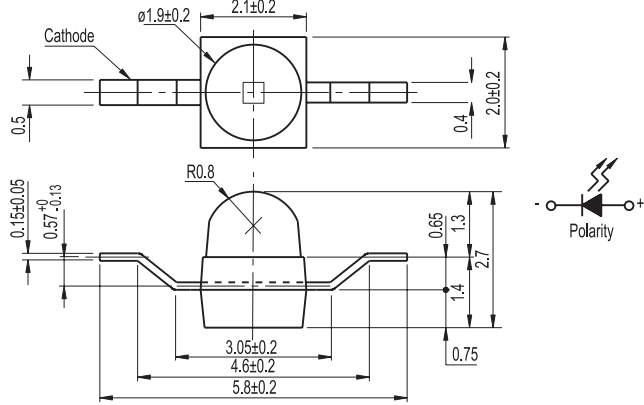
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

1.9mm Round Subminiature "Yoke" Lead (Square Base) LED

UNIT: mm

									
95-21 UBC/C430/TR9	GaN/SiC	Blue	466	Water Clear	3.8	4.5	160	203	25
95-21 SUBC/S400-A4/TR9	InGaN	Blue	470		3.5	4.3	400	500	
95-21 SUGC/S400-A4/TR9	InGaN	Super Green	525		3.5	4.3	2000	2300	
95-21 SYGC/S530-E2/TR9	AlGaInP	Super Yellow Green	573		2.0	2.4	264	330	
95-21 UYC/S530-A2/TR9	AlGaInP	Super Yellow	589		2.0	2.4	198	496	
95-21 UYOC/S530-A2/TR9	AlGaInP	Super Yellow Orange	605		2.0	2.4	198	496	
95-21 SURC/S530-A2/TR9	AlGaInP	Hyper Red	624		2.0	2.4	198	482	

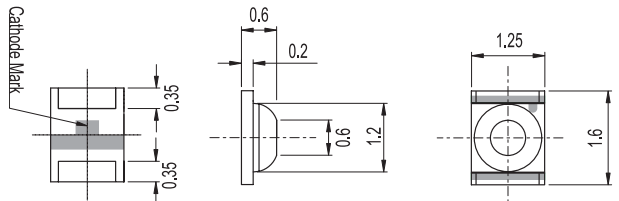
1.9mm Round Subminiature "Z-Bend" Lead (Square Base) LED

									
95-21 UBC/C430/TR10	GaN/SiC	Blue	466	Water Clear	3.8	4.5	160	203	25
95-21 SUBC/S400-A4/TR10	InGaN	Blue	470		3.5	4.3	400	500	
95-21 SUGC/S400-A4/TR10	InGaN	Super Green	525		3.5	4.3	2000	2300	
95-21 SYGC/S530-E2/TR10	AlGaInP	Super Yellow Green	573		2.0	2.4	264	330	
95-21 UYC/S530-A2/TR10	AlGaInP	Super Yellow	589		2.0	2.4	198	496	
95-21 UYOC/S530-A2/TR10	AlGaInP	Super Yellow Orange	605		2.0	2.4	198	496	
95-21 SURC/S530-A2/TR10	AlGaInP	Hyper Red	624		2.0	2.4	198	482	

Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

0605 Package Chip LED (0.6mm)

UNIT: mm

  RoHS Preliminary		 Cathode Mark Polarity								
10-21/G6C-BMIN2B/3T	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.35	18	31.5	170	

1206 Package Chip LED with Inner Lens

 RoHS		Cathode ø0.5 3.0±0.2 2.0 1.8 1.5±0.2 10° 1.1 0.6 1.5 ø0.9 1.6 1.3 - + Polarity							
11-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	26	33	60
11-21/BHC-AP2R1/2T	InGaIn	Blue	470		3.5	4.0	57	100	
11-21/GHC-YT1U2/2T	InGaIn	Brilliant Green	525		3.5	4.0	285	500	
11-21SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	19	29	
11-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	29	73	
11-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	29	71	

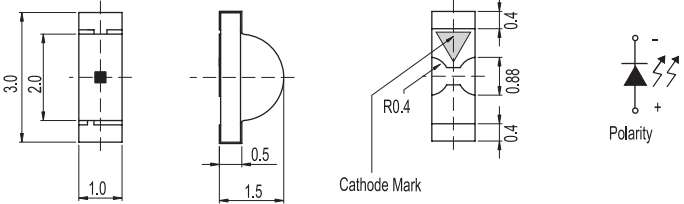
Chip LED with Right Angle Lens

 Pb RoHS		0.5 1.0±0.2 3.0±0.2 1.0 2.0±0.2 2.0±0.2 Cathode 0.88 R0.44 0.4 0.4 - + Polarity							
12-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	17	22	120
12-21/BHC-AN1P2/2C	InGaIn	Blue	470		3.5	4.0	28.5	45	
12-21/GHC-YR2S2/2C	InGaIn	Brilliant Green	525		3.5	4.0	140	200	
12-21SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	6	19	
12-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	19	48	
12-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	19	47	

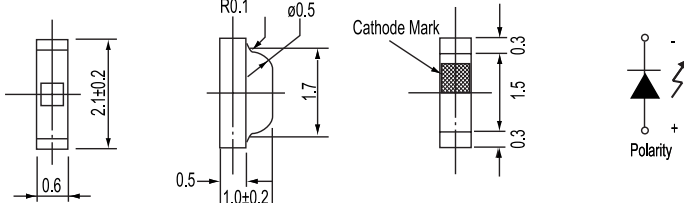
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Chip LED with Right Angle Lens

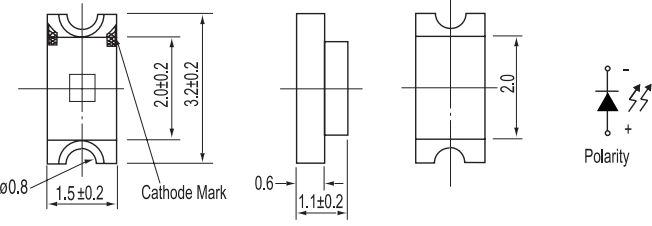
UNIT: mm

									
12-21C/BHC-ANQ/2C	InGaN	Blue	470	Water Clear	3.5	4.0	28.5	65	100
12-21C/GHC-YR2T1/2C	InGaN	Brilliant Green	525		3.5	4.0	140	250	

Chip LED with Right Angle Lens

									
				Water Clear	3.8	4.5	14	22	130
12-215UBC/C430/TR8	GaN/SiC	Blue	466		3.5	4.0	28.5	40	
12-215/BHC-AN1P2/3C	InGaN	Blue	470		3.5	4.0	112	160	
12-21/GHC-YR1S2/3C	InGaN	Brilliant Green	525		2.0	2.4	10	16	
12-215SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	20	49	
12-215UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	20	48	
12-215SURC/S530-A2/TR8	AlGaInP	Hyper Red	624	Yellow Diff.	2.90	3.15	28.5	40	140
12-215/W1D-ANPHY/3C*	InGaN	White	X 0.29 y 0.30						

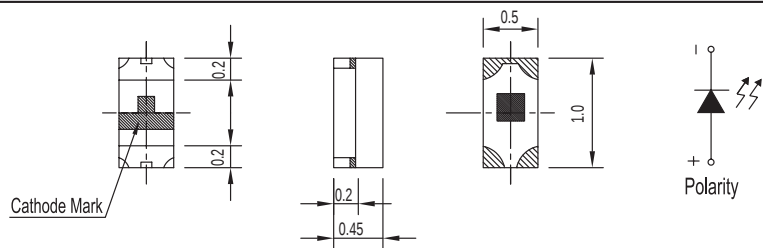
1206Package Chip LED (1.1mm Height)

									
15-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	14	18	130
15-21/BHC-AN1P2/2T	InGaN	Blue	470		3.5	4.0	28.5	40	
15-21/GHC-YR1S1/2T	InGaN	Brilliant Green	525		3.5	4.0	112	160	
15-21SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	10	15	
15-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	15	39	
15-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	15	38	
15-21/W1D-APQHY/2T*	InGaN	White	X 0.29 y 0.30	Yellow Diff.	2.90	3.15	45	72	140

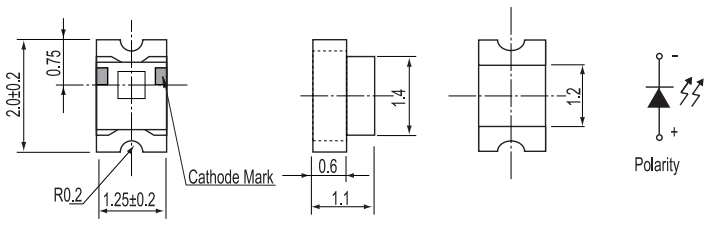
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

0402 Package Chip LED (0.45mm Height)

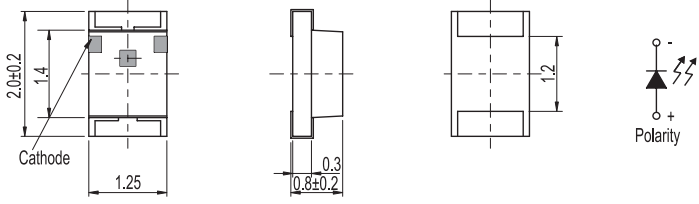
UNIT: mm

									
16-213SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	10	15	120
16-213UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	15	38	
16-213SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	15	36	

0805 Package Chip LED (1.1mm Height)

									
17-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	16	20	140
17-21/BHC-AN1P2/3T	InGaIn	Blue	470		3.5	4.0	28.5	45	
17-21/GHC-YR1S2/3T	InGaIn	Brilliant Green	525		3.5	4.0	112	170	
17-21SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	12	17	
17-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	17	43	
17-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	17	42	
17-21/W1D-ANPHY/3T*	InGaIn	White	X 0.29 y 0.30	Yellow Diff.	2.90	3.15	28.5	40	150

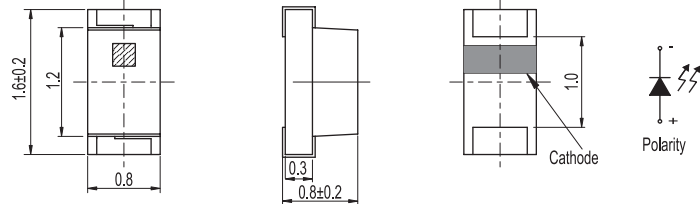
0805 Package Chip LED (0.8mm Height)

									
17-215UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	12	15	130
17-215/BHC-AN1P2/3T	InGaIn	Blue	470		3.5	4.0	28.5	40	
17-215/GHC-YR1S2/3T	InGaIn	Brilliant Green	525		3.5	4.0	112	170	
17-215SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	9	13	
17-215UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	13	33	
17-215SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	13	32	

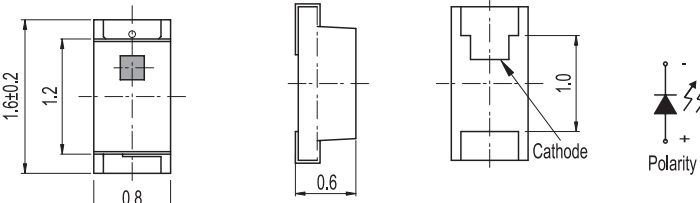
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

0603 Package Chip LED (0.8mm Height)

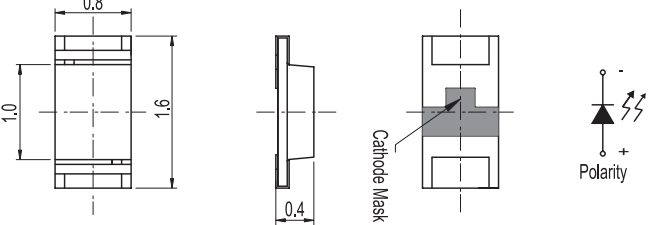
UNIT: mm

 Pb RoHS * I_F at 5mA									
19-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	14	18	100
19-21BHC-AN1P2/3T	InGaIn	Blue	470		3.5	4.0	28.5	40	
19-21GHC-YR1S2/3T	InGaIn	Brilliant Green	525		3.5	4.0	112	160	
19-21SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	11	16	
19-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	16	40	
19-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	16	39	
19-21W1D-ANPHY/3T*	InGaIn	White	x 0.29 y 0.30	Yellow Diff.	2.90	3.15	28.5	40	110

0603 Package Chip LED (0.6mm Height)

 Pb RoHS * I_F at 5mA									
19-213UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	14	18	120
19-213BHC-AN1P2/3T	InGaIn	Blue	470		3.5	4.0	28.5	40	
19-213GHC-YR1S2/3T	InGaIn	Brilliant Green	525		3.5	4.0	112	180	
19-213SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	10	16	
19-213UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	16	39	
19-213SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	16	38	
19-213W1D-ANPHY/3T*	InGaIn	White	x 0.29 y 0.30	Yellow Diff.	2.90	3.15	28.5	40	130

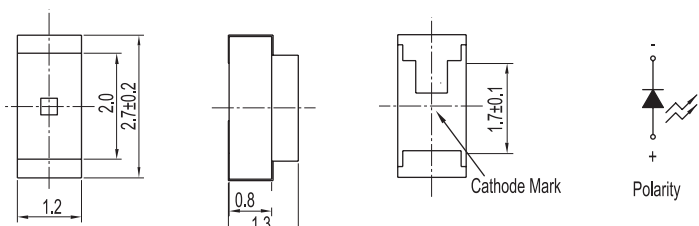
0603 Package Chip LED (0.4mm Height)

 Pb RoHS * I_F at 5mA									
19-217/BHC-AN1P2/3T	InGaIn	Blue	470	Water Clear	3.5	4.0	28.5	40	120
19-217/GHC-YR1S2/3T	InGaIn	Brilliant Green	525		3.5	4.0	112	180	
19-217/G7C-AL1M2B/3T	AlGaInP	Super Yellow Green	573		2.0	2.35	11.5	21	
19-217/Y5C-AP1Q2/3T	AlGaInP	Super Yellow	589		2.0	2.4	45	75	
19-217/R6C-P1Q2/3T	AlGaInP	Hyper Red	624		2.0	2.4	45	75	
19-217/W1D-APQHY/3T*	InGaIn	White	x 0.29 y 0.30	Yellow Diff.	2.90	3.15	45	72	130

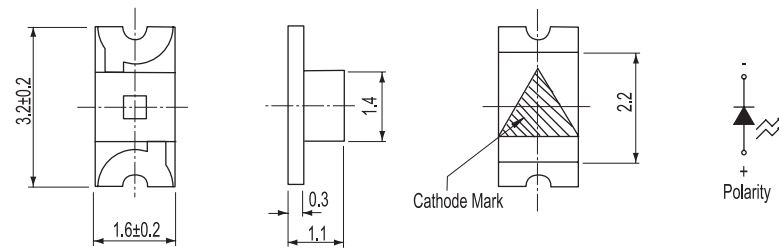
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Chip LED with Right Angle Lens

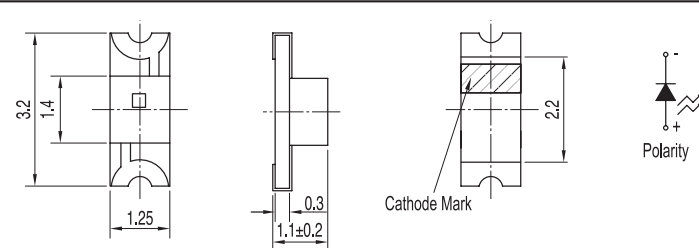
UNIT: mm

									
22-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	15	17	130
22-21/BHC-AN1P2/2C	InGaP	Blue	470		3.5	4.0	28.5	40	
22-21/GHC-YR1S2/2C	InGaP	Brilliant Green	525		3.5	4.0	112	180	
22-21SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	10	16	
22-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	16	39	
22-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	16	38	

Reverse Package Chip LED

									
23-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	15	18	130
23-21/BHC-AN1P2/2A	InGaP	Blue	470		3.5	4.0	28.5	45	
23-21/GHC-YR2T1/2A	InGaP	Brilliant Green	525		3.5	4.0	140	360	
23-21SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	11	16	
23-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	16	41	
23-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	16	40	

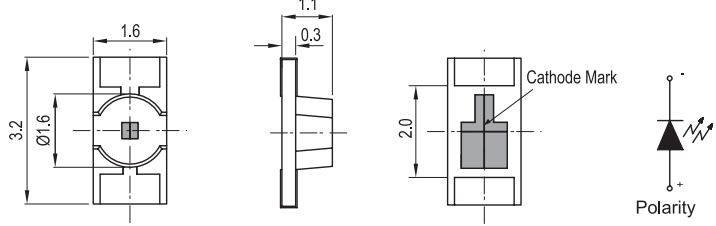
Reverse Package Chip LED

									
23-21B/BHC-AN1P2/2A	InGaP	Blue	470	Water Clear	3.5	4.0	28.5	45	130
23-21B/GHC-YR2T1/2A	InGaP	Brilliant Green	525		3.5	4.0	140	240	
23-21B/W1D-ANQHY/2A*	InGaP	White	x 0.29 y 0.30	Yellow Diff.	2.90	3.15	28.5	57	140

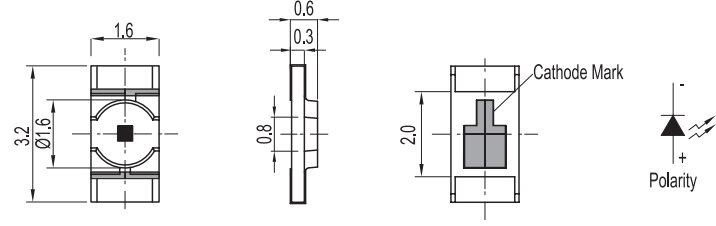
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Reverse Package Chip LED

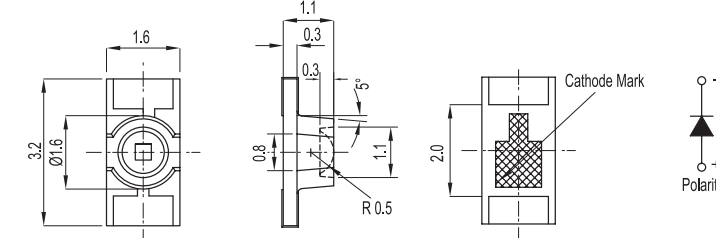
UNIT: mm

 Pb RoHS									
24-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	15	18	130
24-21/BHC-AN1P2/2A	InGaP	Blue	470		3.5	4.0	28.5	45	
24-21/GHC-YR2T1/2A	InGaP	Brilliant Green	525		3.5	4.0	140	220	
24-21SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	11	16	
24-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	16	41	
24-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	16	40	

Reverse Package Chip LEDs (0.4mm Height)

 Pb RoHS * I_F at 5mA									
24-216/W1D-APQHY/2A*	InGaP	White	x 0.29 y 0.30	Yellow Diff.	2.9	3.15	45	80	140

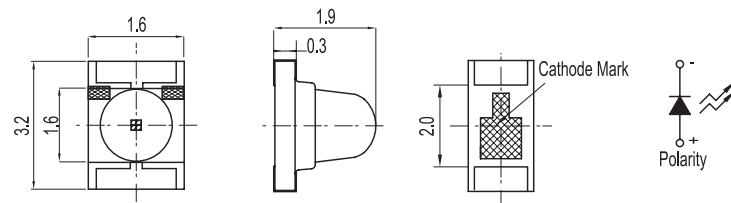
Reverse Package Chip LED with Inner Lens

 Pb RoHS * I_F at 5mA									
25-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	16	20	60
25-21/BHC-APR/2A	InGaP	Blue	470		3.5	4.0	45	110	
25-21/GHC-YSU/2A	InGaP	Brilliant Green	525		3.5	4.0	180	450	
25-21SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	12	18	
25-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	18	45	
25-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	18	44	
25-21/W1D-ANQHY/2A*	InGaP	White	x 0.29 y 0.30	Yellow Diff.	2.90	3.15	28.5	57	70

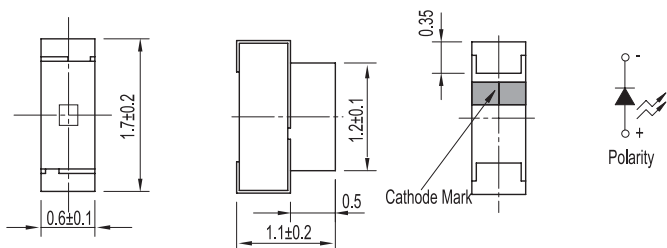
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)			Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = mA	Min.	Typ.	

1.6mm Round Subminiature Reverse Package Chip LED

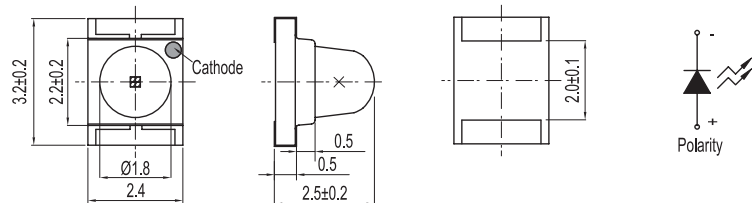
UNIT: mm

									
26-21SYGC/S530-E2/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	200	315	30
26-21UYC/S530-A3/TR8	AlGaInP	Super Yellow	589		2.0	2.4	400	650	
26-21SURC/S530-A3/TR8	AlGaInP	Hyper Red	624		2.0	2.4	400	650	

Chip LED with Right Angle Lens

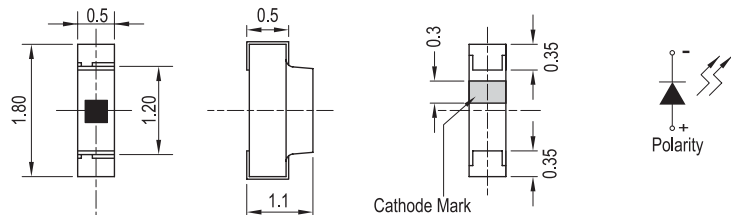
										
		* I _F at 5mA								
27-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	14	18	130	
27-21/BHC-AN1P2/3C	InGaN	Blue	470		3.5	4.0	28.5	40		
27-21/GHC-YR1S2/3C	InGaN	Brilliant Green	525		3.5	4.0	112	170		
27-21SYGC/S530-E1/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	10	15		
27-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	15	34		
27-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624	Yellow Diff.	2.0	2.4	15	34	140	
27-21/W1D-ANPHY/3C*	InGaN	White	x 0.29 y 0.30		2.90	3.15	28.5	40		

1.8mm Round Subminiature Chip LEDs

 Pb RoHS									
42-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	89	112	30
42-21/BHC-AUW/1T	InGaN	Blue	470		3.5	4.0	450	1000	
42-21SYGC/S530-E2/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	230	460	
42-21UYC/S530-A3/TR8	AlGaInP	Super Yellow	589		2.0	2.4	240	480	
42-21SURC/S530-A3/TR8	AlGaInP	Hyper Red	624		2.0	2.4	240	480	

Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _V (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Chip LED With Right Angle Lens UNIT: mm

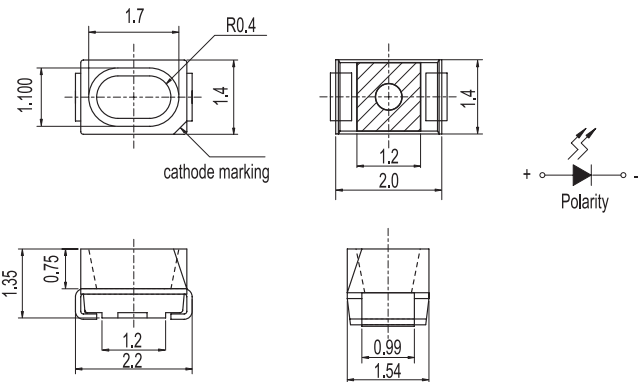
 * I_F at 5mA									
48-21/W1D-ANPHY/3C*	InGaN	White	x 0.29 y 0.30	Yellow Diff.	2.9	3.15	28.5	40	140

EVERLIGHT SMD FOR REFLECTOR TYPE

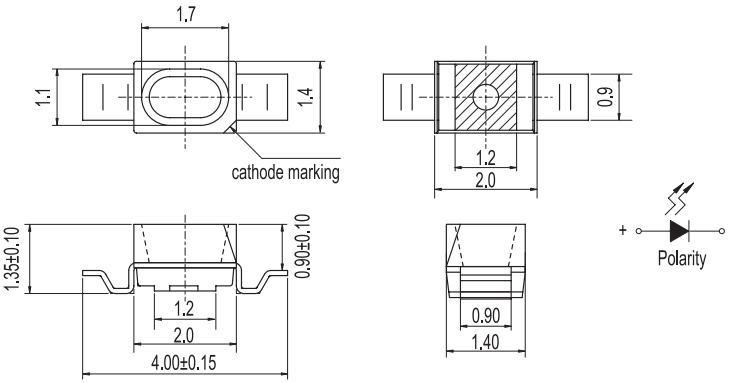
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Mini Top View LED

UNIT: mm

 									
65-21SYGC/S530-E2/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	14.5	20	120
65-21UYC/S530-A4/TR8	AlGaInP	Super Yellow	589		2.0	2.4	57	70	

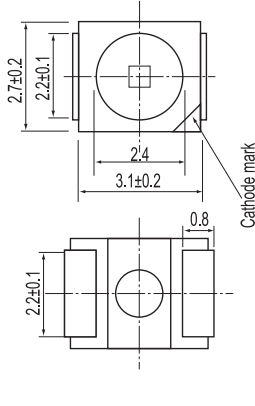
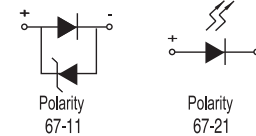
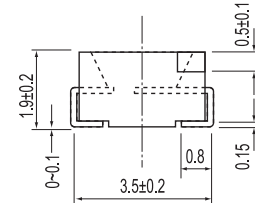
Mini Top View LED (Reverse Gull wing)

 									
65-21SYGC/S530-E2/TR10-1	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	14.5	20	120
65-21UYC/S530-A4/TR10-1	AlGaInP	Super Yellow	589		2.0	2.4	57	70	

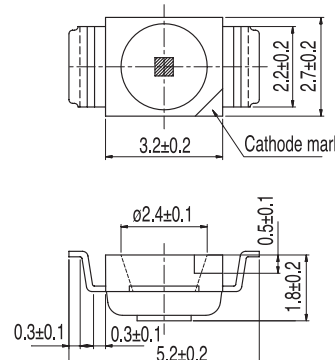
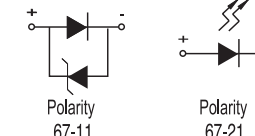
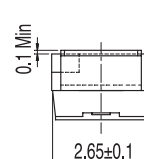
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Top View LED

UNIT: mm

  RoHS		  							
67-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	35	55	120
67-21SUBC/S400-A4/TR8	InGaN	Blue	470		3.5	4.3	42.5	48	
67-21SUGC/S400-A4/TR8	InGaN	Super Green	525		3.5	4.3	150	279	
67-21SYGC/S530-E2/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	25	37	
67-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	40	55	
67-21UYOC/S530-A2/TR8	AlGaInP	Super Yellow Orange	605		2.0	2.4	40	55	
67-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	40	55	
67-11UWC/S400-X8/TR8	InGaN	White	x 0.29 y 0.30		3.5	4.3	500	750	

Reverse Package Top View LED

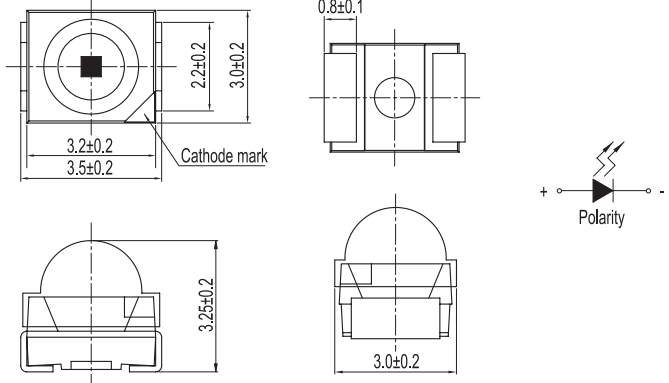
  RoHS		  							
67-21UBC/C430/TR10	GaN/SiC	Blue	466	Water Clear	3.8	4.5	35	55	120
67-21SUBC/S400-A4/TR10	InGaN	Blue	470		3.5	4.3	42.5	48	
67-21SUGC/S400-A4/TR10	InGaN	Super Green	525		3.5	4.3	150	279	
67-21SYGC/S530-E2/TR8	AlGaInP	Super Yellow Green	573		2.0	2.4	25	37	
67-21UYC/S530-A2/TR10	AlGaInP	Super Yellow	589		2.0	2.4	40	55	
67-21UYOC/S530-A2/TR10	AlGaInP	Super Yellow Orange	605		2.0	2.4	40	55	
67-21SURC/S530-A2/TR10	AlGaInP	Hyper Red	624		2.0	2.4	40	55	
67-11UWC/S400-X8/TR10	InGaN	White	x 0.29 y 0.30		3.5	4.3	500	750	

EVERLIGHT SMD FOR REFLECTOR TYPE

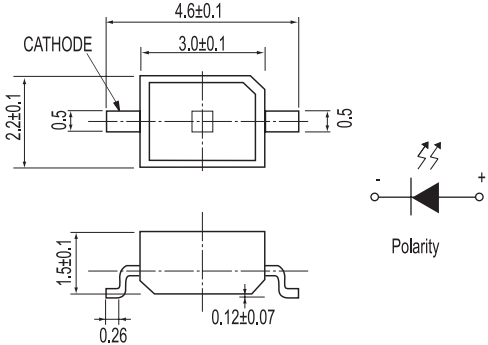
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Power Top View LED

UNIT: mm

  RoHS Preliminary									
67-21BUYC/S530-A3/TR8	AlGaInP	Super Yellow	589	Water Clear	2.0	2.4	250	400	60
67-21BUSOC/S530-A3/TR8	AlGaInP	Super Sunset Orange	615		2.0	2.4	250	400	
67-21BSURC/S530-A3/TR8	AlGaInP	Hyper Red	624		2.0	2.4	250	400	

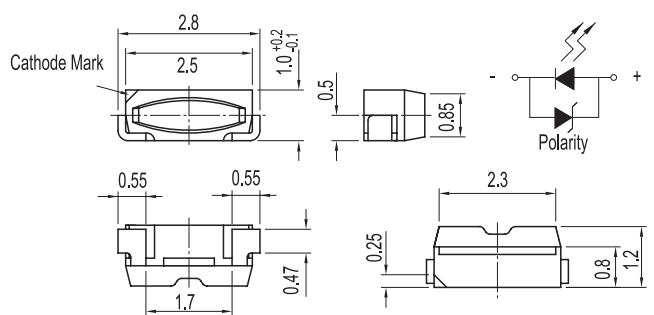
High Performance SMD LED with Reflector

  RoHS									
93-21UBC/C430/TR8	GaN/SiC	Blue	466	Water Clear	3.8	4.5	18	35	130
93-21SUBC/S400-A4/TR8	InGaIn	Blue	470		3.5	4.3	50	68	
93-21SUGC/S400-A4/TR8	InGaIn	Super Green	525		3.5	4.3	160	250	
93-21SYGC/S530-E2/TR8	AlGaInP	Super Yellow Green	571		2.1	2.4	16	26	
93-21UYC/S530-A2/TR8	AlGaInP	Super Yellow	589		2.0	2.4	17	43	
93-21UYOC/S530-A2/TR8	AlGaInP	Super Yellow Orange	605		2.0	2.4	17	43	
93-21SURC/S530-A2/TR8	AlGaInP	Hyper Red	624		2.0	2.4	17	42	

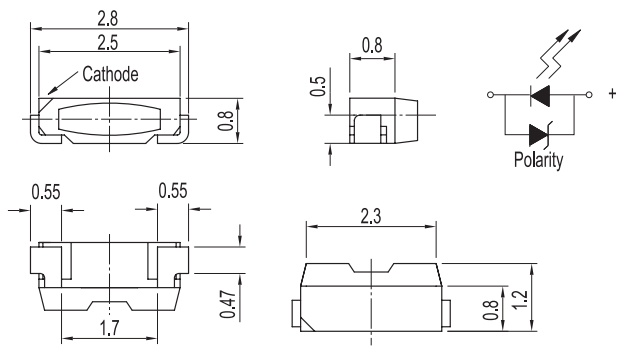
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Side View white LED (1.0mm Height)

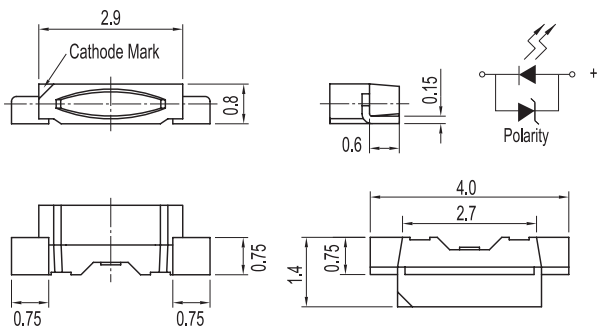
UNIT: mm

  RoHS										
	99-11UWC/710/TR8	InGaN	White	x 0.29 y 0.30	Water Clear	3.5	4.0	750	810	110

Side View white LED (0.8mm Height)

  RoHS										
99-113UWC/710/TR8	InGaN	White	x 0.29 y 0.30	Water Clear	3.5	4.0	750	810	110	

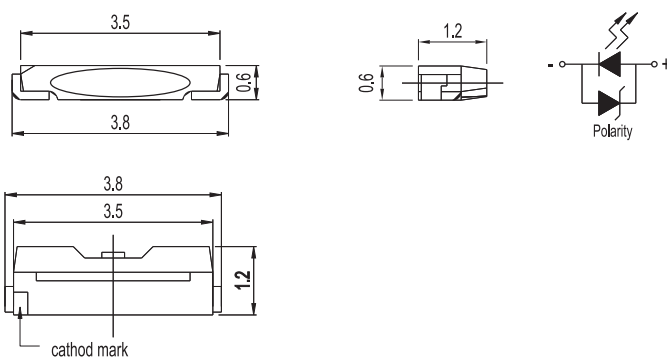
Side View white LED (0.8mm Height)

  RoHS										
99-115UWC/710/TR8	InGaN	White	x 0.29 y 0.30	Water Clear	3.5	4.0	750	810	110	

Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Side View white LED (0.6mm Height)

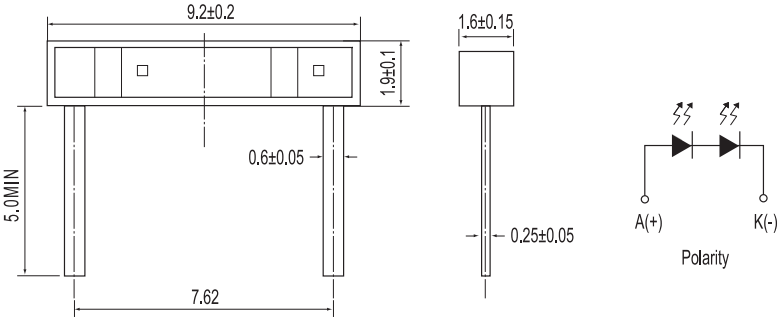
UNIT: mm

  RoHS									
99-116UWC/710/TR8	InGaN	White	x 0.29 y 0.30	Water Clear	3.5	4.0	750	810	110

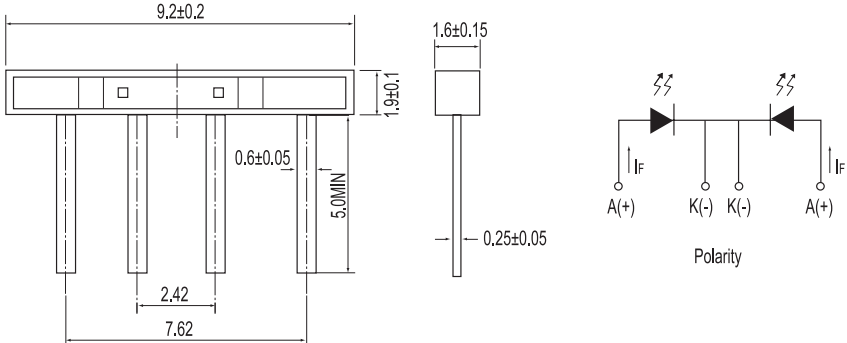
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _V (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

High Performance with Reflector LED

UNIT: mm

  RoHS									
94-22UBC/C430	GaN/SiC	Blue	466	Water Clear	7.6	9.0	35	65	130
94-22SUBC/S400-A4	InGaN	Blue	470		7.0	8.6	40	50	
94-22SUGC/S400-A4	InGaN	Super Green	525		7.0	8.6	200	240	
94-22SYGC/S530-E2	AlGaInP	Super Yellow Green	571		4.0	4.8	48	73	
94-22UYC/S530-A2	AlGaInP	Super Yellow	589		4.0	4.8	59	77	
94-22UYOC/S530-A2	AlGaInP	Super Yellow Orange	605		4.0	4.8	59	77	
94-22SURC/S530-A2	AlGaInP	Hyper Red	624		4.0	4.8	59	77	

High Performance with Reflector LED

  RoHS									
94-22UBC/C430/S2	GaN/SiC	Blue	466	Water Clear	3.8	4.5	35	65	130
94-22SUBC/S400-A4/S2	InGaN	Blue	470		3.5	4.3	40	50	
94-22SUGC/S400-A4/S2	InGaN	Super Green	525		3.5	4.3	200	240	
94-22SYGC/S530-E2/S2	AlGaInP	Super Yellow Green	571		2.0	2.4	48	73	
94-22UYC/S530-A2/S2	AlGaInP	Super Yellow	589		2.0	2.4	59	77	
94-22UYOC/S530-A2/S2	AlGaInP	Super Yellow Orange	605		2.0	2.4	59	77	
94-22SURC/S530-A2/S2	AlGaInP	Hyper Red	624		2.0	2.4	59	77	

EVERLIGHT SMD FOR REFLECTOR TYPE

Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _V (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

High Performance with Reflector LED

UNIT: mm



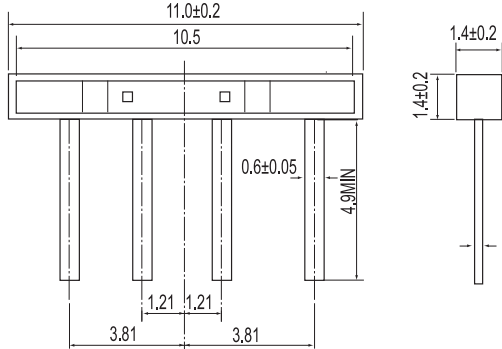
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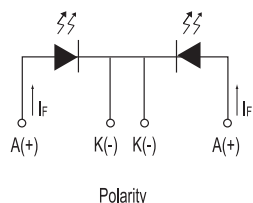
High Performance with Reflector LED



Pb

RoHS



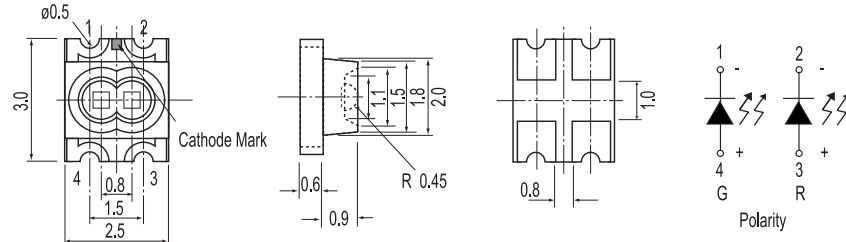


97-22UBC/C430/S2	GaN/SiC	Blue	466	Water Clear	3.8	4.5	19	24	145
97-22SUBC/S400-A4/S2	InGaN	Blue	470		3.5	4.3	63	100	
97-22SUGC/S400-A4/S2	InGaN	Super Green	525		3.5	4.3	250	400	
97-22SYGC/S530-E2/S2	AlGaInP	Super Yellow Green	573		2.0	2.4	20	35	
97-22UYC/S530-A2/S2	AlGaInP	Super Yellow	589		2.0	2.4	21	53	
97-22UYOC/S530-A2/S2	AlGaInP	Super Yellow Orange	605		2.0	2.4	21	53	
97-22SURC/S530-A2/S2	AlGaInP	Hyper Red	624		2.0	2.4	21	52	

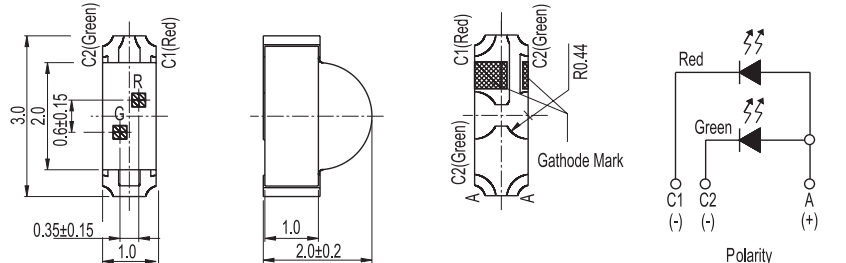
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Chip LED with Bi-Color (Multi-color)

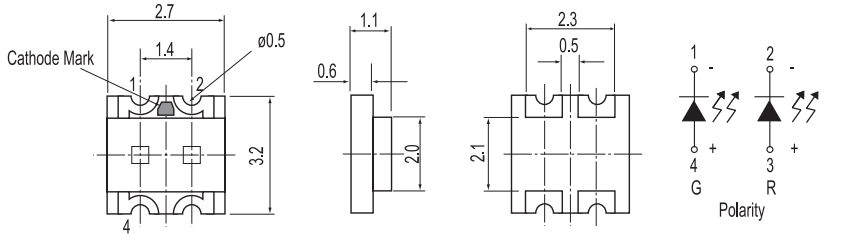
UNIT: mm

 Pb RoHS										
11-22 SURSYGC/S530-A2/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	14	21	60	
	AlGaInP	Hyper Red	624		2.0	2.4	21	51		

Right Angle Lens Chip LED with Bi-Color (Multi-color)

  RoHS									
12-22 SURSYGC/S530-A2/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	13	19	120
	AlGaInP	Hyper Red	624		2.0	2.4	19	46	

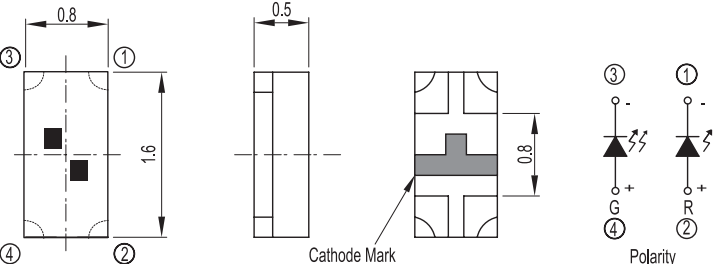
Chip LED with Bi-Color (Multi-color)

 Pb RoHS										
15-22 SURSYGC/S530-A2/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	15	25	140	
	AlGaInP	Hyper Red	624		2.0	2.4	15	40		

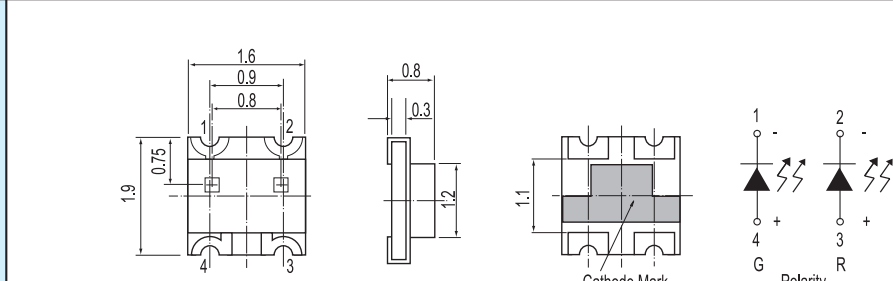
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

0603 Package Chip LED with Bi-Color (Multi-Color)

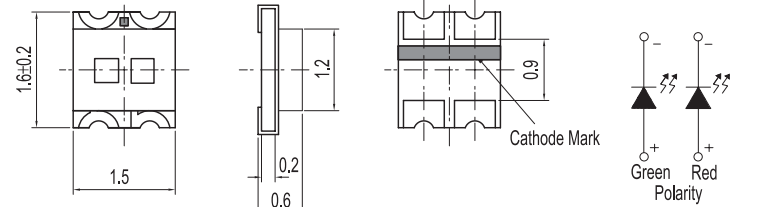
UNIT: mm

 		 Cathode Mark Polarity							
18-225SURSYGC/S530-A4/E4/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	29	34	120
	AlGaInP	Hyper Red	624		2.0	2.4	51	76	

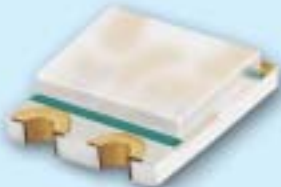
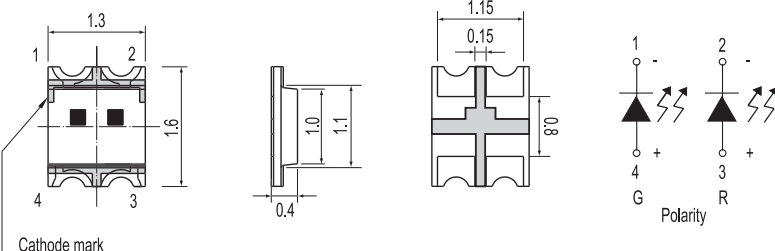
0603 Package Chip LED with Bi-Color (Multi-Color)

									
19-22 SURSYGC/S530-A2/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	9	14	130
	AlGaInP	Hyper Red	624		2.0	2.4	13	36	

Chip LED with Bi-Color(Multi-Color)

  RoHS									
19-223SURSYGC/S530-A3/E3/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	21	30	130
	AlGaInP	Hyper Red	624		2.0	2.4	37	55	

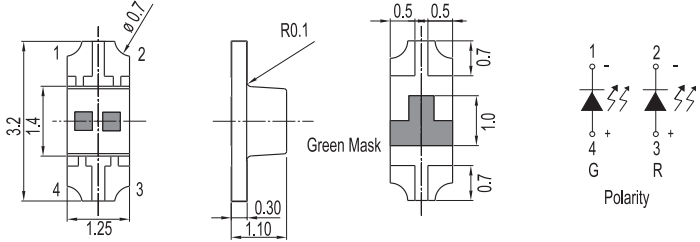
0.4mm Height Chip LED with Bi-Color (Multi-color)

  RoHS		 Cathode mark Polarity									
19-226 SURSYGC/S530-A2/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	9	13	120		
	AlGaInP	Hyper Red	624		2.0	2.4	22	35			

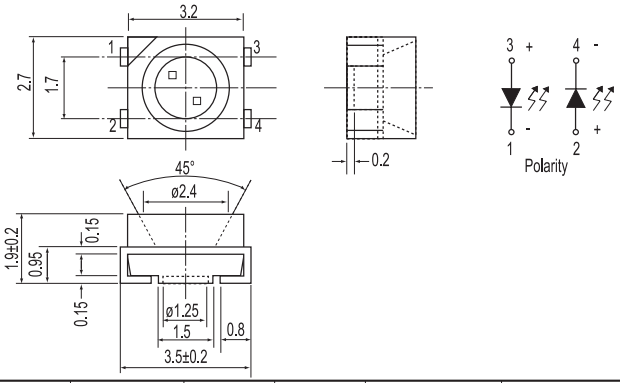
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _V (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Reverse Package Chip LED (Multi-Color)

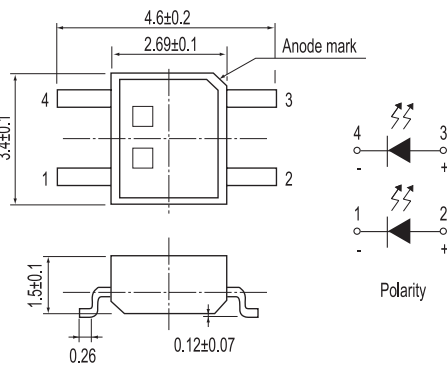
UNIT: mm

  RoHS									
23-22BUSRSYGC/S530-A5/E3/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	20	55	130
	AlGaInP	Super Red	631		2.0	2.4	40	75	

Top View LED With Bi-Color (Multi-color)

  RoHS									
67-22 SURSYGC/S530-A2/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	16	24	130
	AlGaInP	Hyper Red	624		2.0	2.4	24	59	

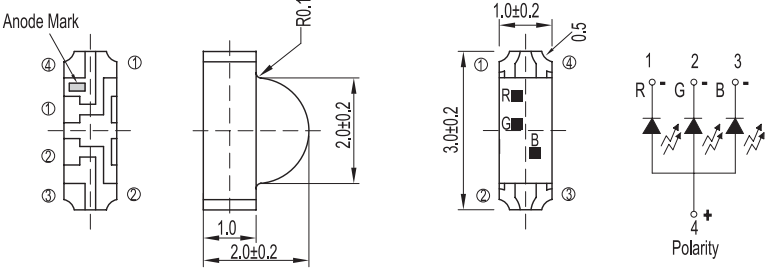
High Performance SMD LED with Reflector

  RoHS									
93-22 SURSYGC/S530-A2/TR8	AlGaInP	Super Yellow Green	573	Water Clear	2.0	2.4	11	17	130
	AlGaInP	Hyper Red	624		2.0	2.4	17	41	

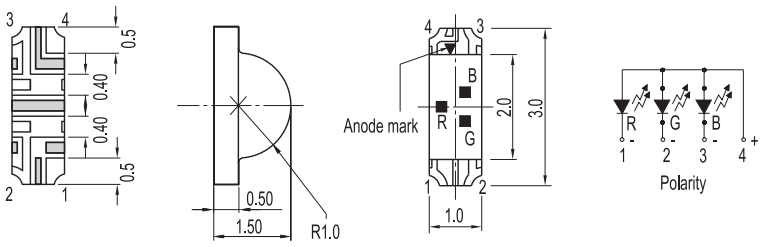
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Right Angle lens Chip LED with full color

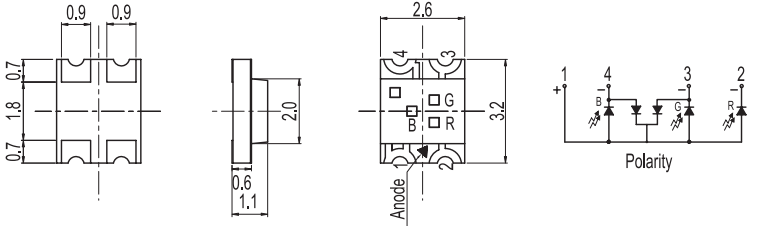
UNIT: mm

 Pb RoHS									
12-23A/R6GHBHC-A01/2D	InGaN	Blue	470	Water Clear	3.5	4.3	25	40	120
	InGaN	Brilliant Green	525		3.5	4.3	125	160	
	AlGaInP	Brilliant Red	624		2.0	2.4	50	80	

Right Angle Lens Chip LED with Full Color

 Pb RoHS									
12-23C/R6GHBHC-A01/2C	InGaN	Blue	470	Water Clear	3.3	3.9	32	50	100
	InGaN	Brilliant Green	525		3.3	3.9	125	180	
	AlGaInP	Brilliant Red	624		2.0	2.4	63	90	
12-23C/S2GHBHC-A01/2C	InGaN	Blue	470	Water Clear	3.3	3.9	45	72	100
	InGaN	Brilliant Green	525		3.3	3.9	112	180	
	AlGaInP	Brilliant Orange	605		2.0	2.4	72	112	

Right Angle Lens Chip LED with Full Color

 Pb RoHS									
15-13D/R6GHBHC-A01/2T	InGaN	Blue	470	Water Clear	3.3	3.9	32	50	120
	InGaN	Brilliant Green	525		3.3	3.9	125	180	
	AlGaInP	Brilliant Red	624		2.0	2.4	63	90	

Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _V (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Chip LED with Full Color

UNIT: mm

15-23B SURSYGUBC/S530-A2/TR8	GaN/SiC	Blue	470	Water Clear	3.8	4.5	9	15	120
	AlGaInP	Yellow Green	573		2.0	2.4	11	17	
	AlGaInP	Hyper Red	624		2.0	2.4	17	40	

0.5mm Height Chip LED with Full color

19-137/R6GHBHC-A01/TR8	InGaN	Blue	470	Water Clear	3.3	3.7	28.5	50	120
	InGaN	Super Green	525		3.3	3.7	112	180	
	AlGaInP	Brilliant Red	624		2.0	2.4	72	100	

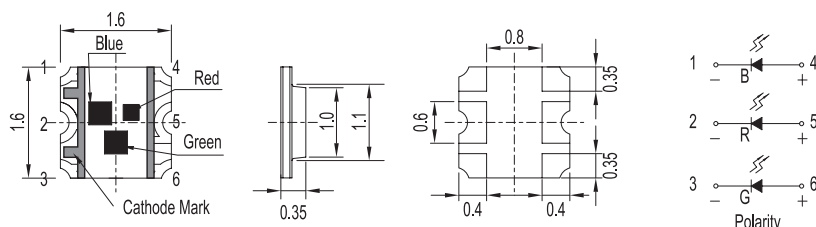
0.35mm Height Chip LED with Full Color

19-237/R6GHBHC-A01/2T	InGaN	Blue	470	Water Clear	3.3	3.9	28.5	50	120
	InGaN	Brilliant Green	525		3.3	3.9	112	180	
	AlGaInP	Brilliant Red	624		2.0	2.4	72	100	
19-237/S2GHBHC-A01/2T	InGaN	Blue	470		3.3	3.9	28.5	50	
	InGaN	Brilliant Green	525		3.3	3.9	112	180	
	AlGaInP	Brilliant Orange	605		2.0	2.4	72	100	

Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

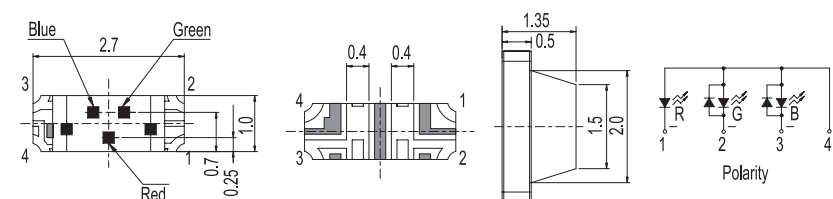
0.35mm Height Chip LED with Full Color

UNIT: mm



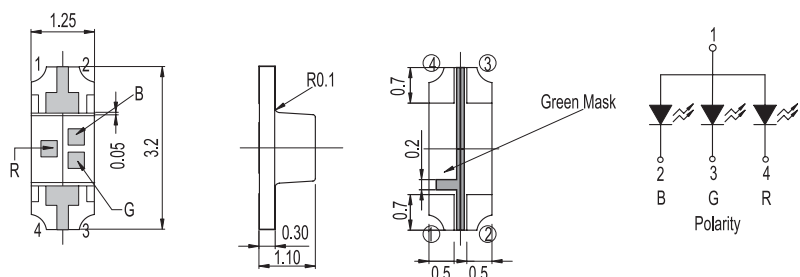
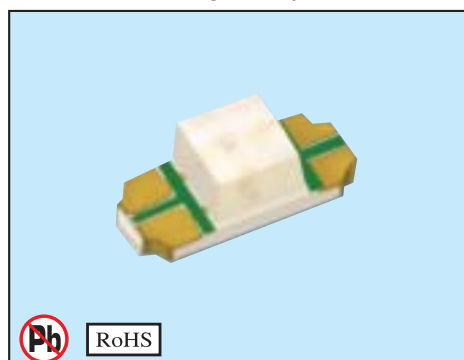
19-337/R6GHBHC-A01/2T	InGaN	Blue	470	Water Clear	3.3	3.9	28.5	50	120
	InGaN	Brilliant Green	525		3.3	3.9	112	180	
	AlGaInP	Brilliant Red	624		2.0	2.4	72	100	
19-337/S2GHBHC-A01/2T	InGaN	Blue	470		3.3	3.9	28.5	50	
	InGaN	Brilliant Green	525		3.3	3.9	112	180	
	AlGaInP	Brilliant Orange	605		2.0	2.4	72	100	

Right Angle Lens Chip LED with Full Color



22-23/R6GHBHC-A01/2C	InGaN	Supe Blue	470	Water Clear	3.3	3.9	28.5	45	120
	InGaN	Brilliant Green	525		3.3	3.9	112	180	
	AlGaInP	Hyper Red	624		2.0	2.4	45	72	

Reverse Package Chip LED with Full Color

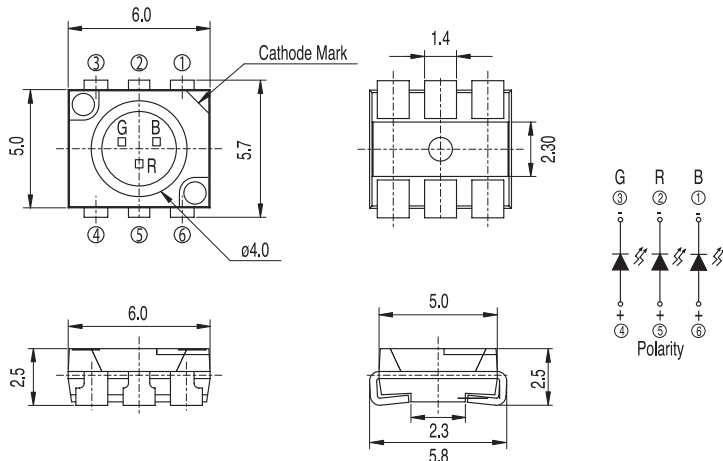


23-23B/R6GHBHC-A01/2A	InGaN	Supe Blue	470	Water Clear	3.3	3.7	28.5	45	130
	InGaN	Brilliant Green	525		3.3	3.7	112	180	
	AlGaInP	Hyper Red	624		2.0	2.4	36	57	

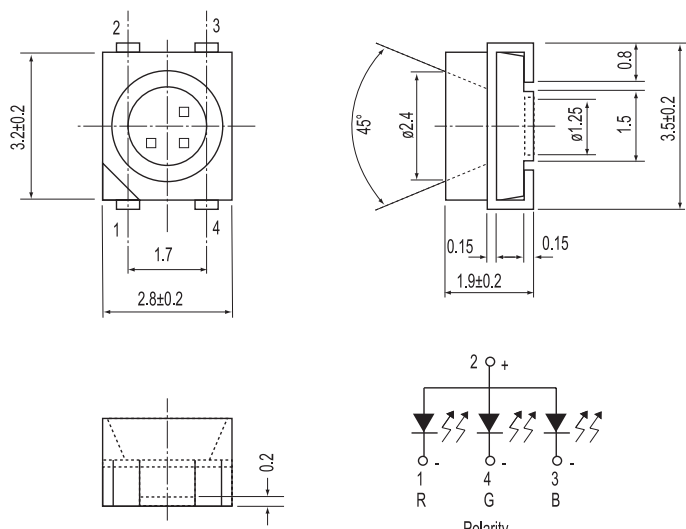
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Luminosity full color LED

UNIT: mm

  RoHS									
61-23/R6GHBHC-A01/ET	InGaN	Blue	470	Water Clear	3.5	4.0	112	200	120
	InGaN	Brilliant Green	525		3.5	4.0	225	280	
	AlGaInP	Brilliant Red	624		2.0	2.4	90	150	

Full Color Top View LED

  RoHS									
67-23 SDRSUGSUBC/TR8	GaN/SiC	Super Blue	470	Water Clear	3.5	4.3	32	57	120
	GaN/SiC	Super Green	525		3.5	4.3	125	216	
	AlGaInP	Super Deep Red	639		2.0	2.4	63	112	

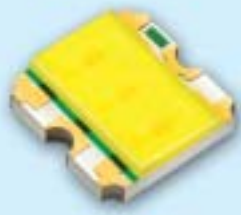
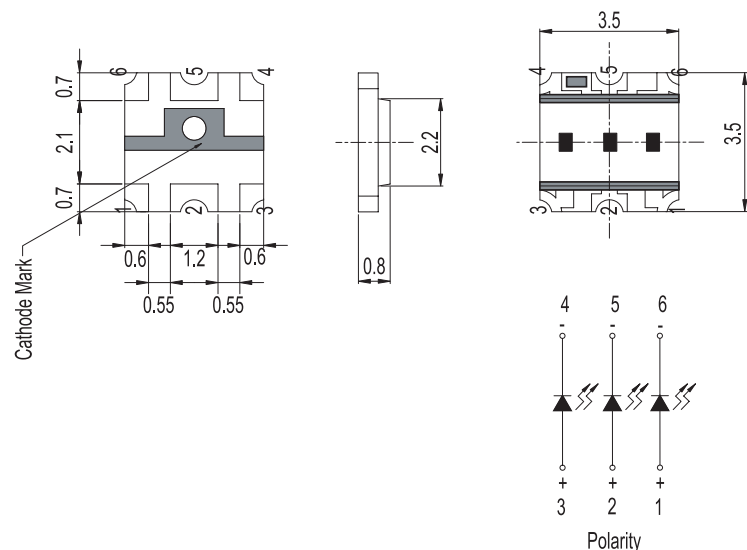
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

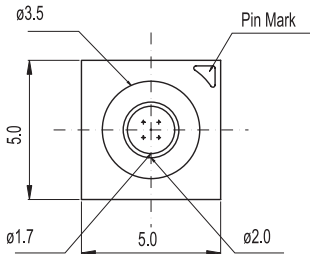
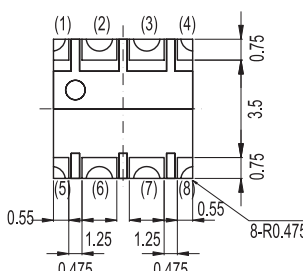
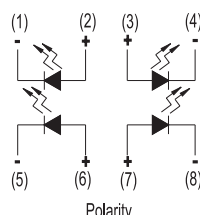
Luminosity White Color LED

UNIT: mm

										
 RoHS										
40-25 AUWD/TR8	InGaN	White	x 0.29 y 0.30	Water Clear	3.3	3.7	1800	2500	130	

Luminosity White Color LED

  RoHS										
47-23 UWD/TR8	InGaN	White	x 0.29 y 0.30	Water Clear	3.3	3.8	1500	2000	130	

Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd) at I _F = 20mA		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	Min.	Typ.	
Luminosity White Color LED									
UNIT: mm									
									
									
									
									
Pb RoHS									
59-14 UWD/TR8	InGaN	White	x 0.29 y 0.30	Yellow Diff.	3.3	3.8	5000	8500	60

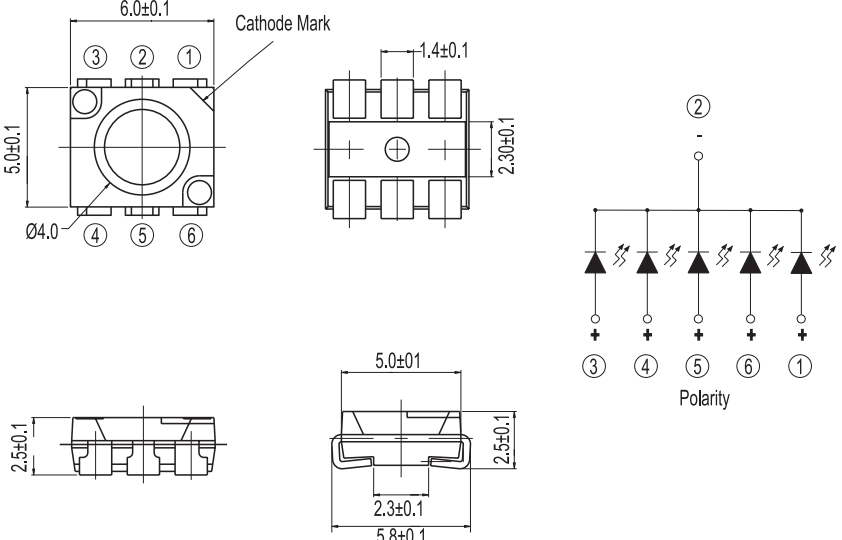
Luminosity White Color LED

										
 										
59-23 UWD/TR8	InGaN	White	x 0.29 y 0.30	Yellow Diff.	3.3	3.8	3000	5000	60	

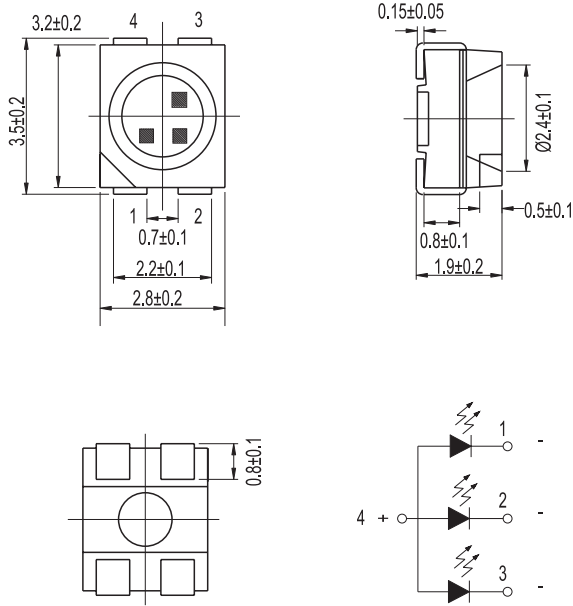
Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Luminosity White Color LED

UNIT: mm

									
	61-25 UWC/S400-A6/TR8	InGaN	White	x 0.29 y 0.30	Water Clear	3.5	4.0	1500	2000

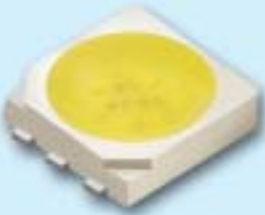
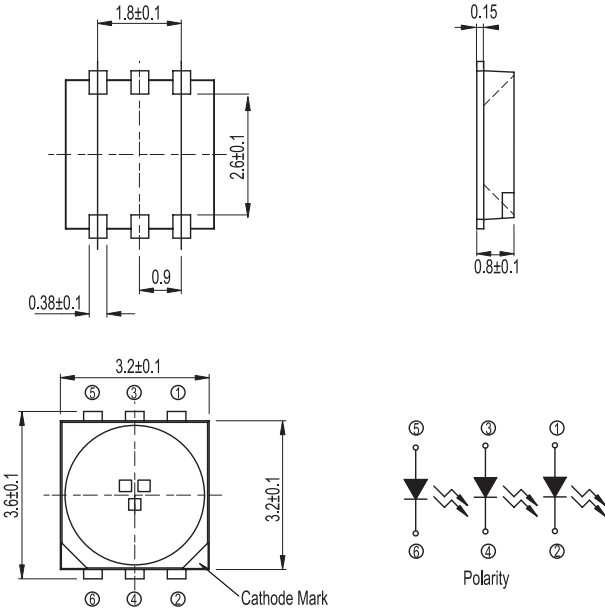
Luminosity White Color LED

									
 									
67-23 UWC/S400-X9/TR8	InGaN	White	x 0.29 y 0.30	Water Clear	3.5	4.0	1045	1500	120

Part Number EL-xxxx	Chip			Lens Color	V _F (V) at I _F = 20mA		I _v (mcd)		Viewing Angle 2θ 1/2
	Material	Emitted Color	λ _D (nm)		Typ.	Max.	at I _F = 20mA		
							Min.	Typ.	

Luminosity White Color LED

UNIT: mm

  RoHS									
67-235 UWC/TR8	InGaN	White	x 0.29 y 0.30	Water Clear	3.5	4.0	2000	2500	120