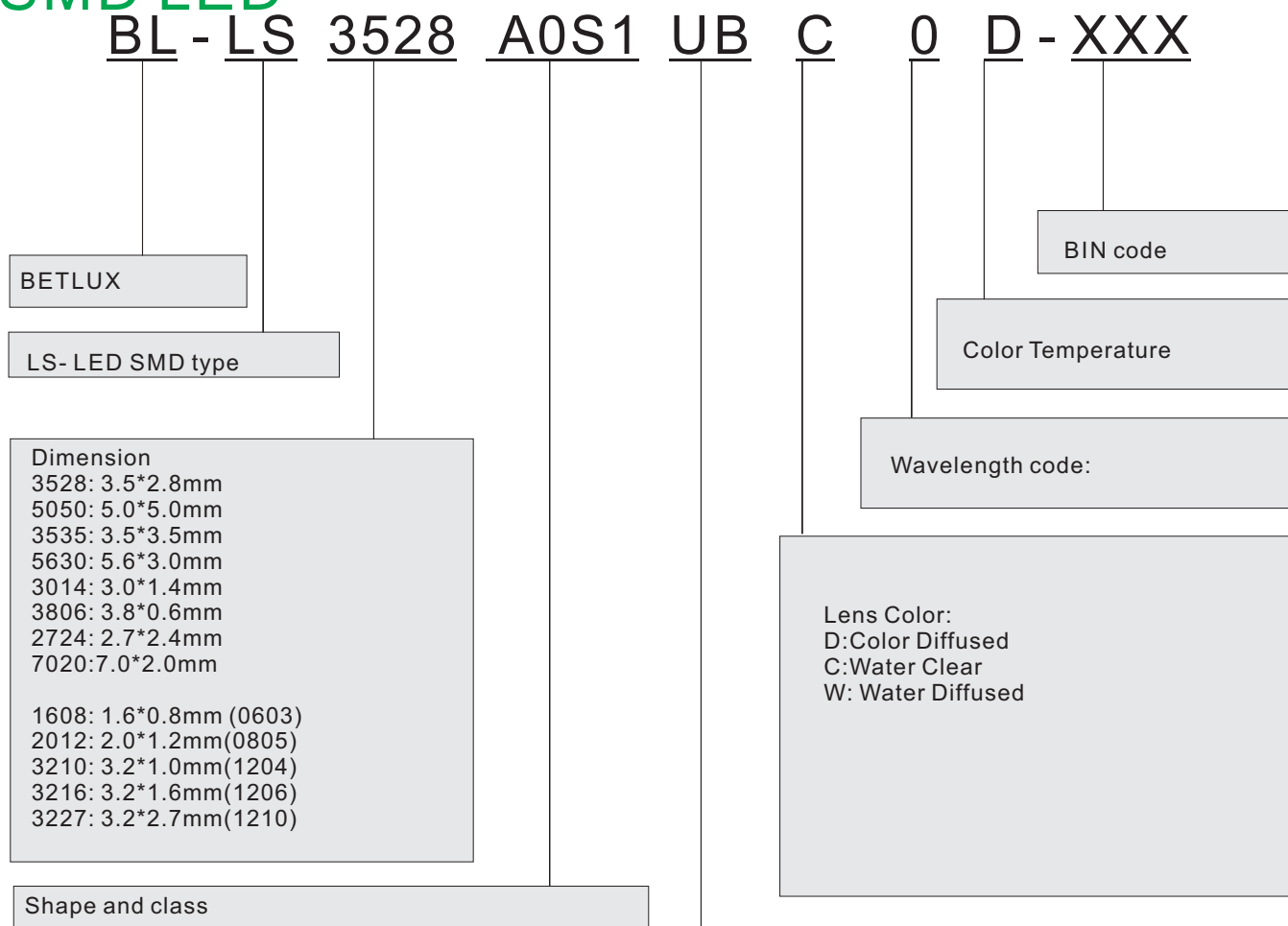


Designation system

SMD LED



Code	Color	Wavelength(nm)	Material
H	Red	700	GaP
S	Hi Red	660	AlGaAs,SH
SR	Hi Red	660	AlGaAs,SH
LR	Hi Red	660	AlGaAs,DH
UR	Ultra Red	660	AlGaAs,DDH
UHR	Ultra Red	640	AlGaInP
E	Red	635	GaAsP
UE	Ultra Red	630	AlGaInP
G	Green	570	GaP
UG	Ultra Green	574	AlGaInP
PG	Ultra Pure Green	525	AlGaInP
BG	Ultra Blish Green	505	AlGaInP
Y	Yellow	585	GaAsP
UY	Ultra Yellow	590	AlGaInP
UYO	Ultra Amber	610	AlGaInP
B	Blue	460	InGaN
UB	Ultra Blue	470	InGaN
UV	violet	395	InGaN
UW	Ultra White	-	InGaN
IR	Infrared	850-940	-
P	Photo Diodes/transistor	850-940	-

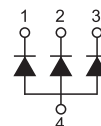
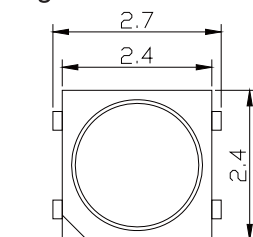
PLCC SMD LEDs

Part No	Emit Color	λ_p (nm)	Lens Type	Iv(mcd)		Viewing Angle 201/2	Drawing
				Min	Typ.		

2.7mmx2.4mm SMD,1.0mm THICKNESS,RGB type

BL-LS2724A0S3URUGUBC	Ultra Red	630	Water Clear	250	320	120
	Ultra Pure Green	525		1300	1500	
	Ultra Blue	470		450	500	

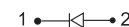
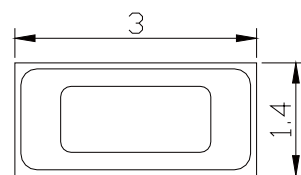
BL-LS2724A0S3XXX
Package Outline Drawing



3.0mmx1.4mm SMD

BL-LS3014A0S1UEC	Ultra Red	630	Water Clear	250	320	120
BL-LS3014A0S1UYO	Ultra Amber	610		500	600	
BL-LS3014A0S1UYC	Ultra Yellow	593		500	600	
BL-LS3014A0S1UGC	Ultra Green	575		70	80	
BL-LS3014A0S1PGC	Ultra Pure Green	525		1300	1500	
BL-LS3014A0S1UBC	Ultra Blue	470		450	500	
BL-LS3014A0S1UWC	Ultra White	/		1900	2100	

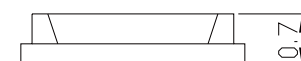
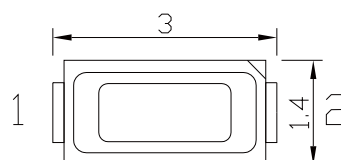
BL-LS3014A0S1
Package Outline Drawing



3.0mmx2.0mm SMD

BL-LS3020A0S1UEC	Ultra Red	630	Water Clear	250	320	120
BL-LS3020A0S1UYO	Ultra Amber	610		500	600	
BL-LS3020A0S1UYC	Ultra Yellow	593		500	600	
BL-LS3020A0S1UGC	Ultra Green	575		70	80	
BL-LS3020A0S1PGC	Ultra Pure Green	525		1300	1500	
BL-LS3020A0S1UBC	Ultra Blue	470		450	500	
BL-LS3020A0S1UWC	Ultra White	/		1900	2100	

BL-LS3020A0S1
Package Outline Drawing



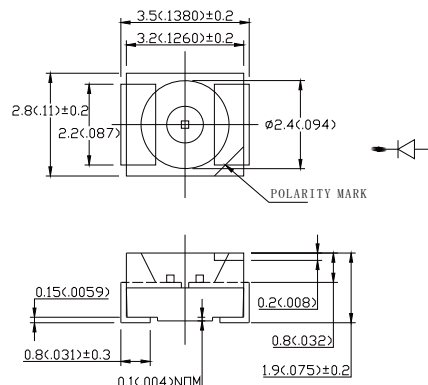
PLCC SMD LEDs

Part No	Emit Color	λ_p (nm)	Lens Type	Iv(mcd)		Viewing Angle 201/2	Drawing
				Min	Typ.		

3.5mmx2.8mm SMD, 1.9mm THICKNESS PLCC2 package

BL-LS3528A0S1UEC	Ultra Red	630	Water Clear	250	320	120
BL-LS3528A0S1UYO	Ultra Amber	610		500	600	
BL-LS3528A0S1UYC	Ultra Yellow	593		500	600	
BL-LS3528A0S1UGC	Ultra Green	575		70	80	
BL-LS3528A0S1PGC	Ultra Pure Green	525		1300	1500	
BL-LS3528A0S1UBC	Ultra Blue	470		450	500	
BL-LS3528A0S1UWC01	Ultra White	/		1900	2100	
BL-LS3528A0S1UWC0D	Warm White	/		2000	2300	

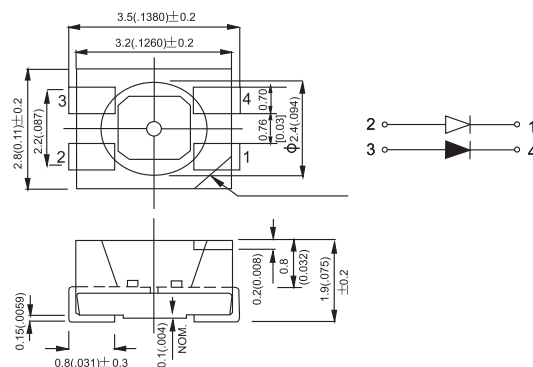
BL-LS3528A0S1
Package Outline Drawing



3.5mmx2.8mm SMD BI-Color, 1.9mm THICKNESS PLCC4 packag

BL-LS3528B0S2 EGC	Red	640	Water Clear	50	80	120
	Green	568		28	50	
BL-LS3528B0S2 UYUGC	Ultra Yellow	590		50	120	
	Ultra Green	575		50	80	
BL-LS3528B0S2 UEUGC	Ultra Red	623		110	180	
	Ultra Green	575		50	80	

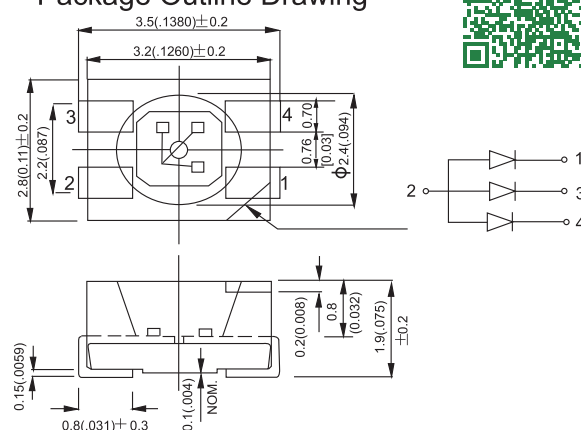
BL-LS3528B0S2XX
Package Outline Drawing



3.5mmx2.8mm SMD, 1.9mm THICKNESS PLCC4 packag

BL-LS3528B0S3URUGUBC	Ultra Red	630	Water Clear	250	320	120
	Ultra Pure Green	525		1300	1500	
	Ultra Blue	470		450	500	

BL-LS3528B0S3XXX
Package Outline Drawing



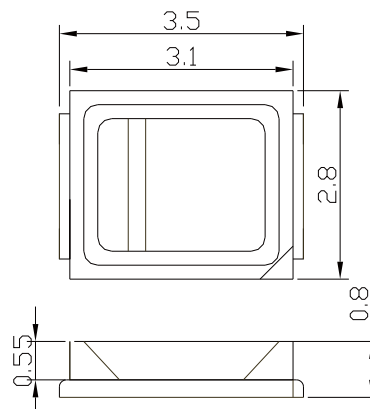
PLCC SMD LEDs

Part No	Emit Color	λ P (nm)	Lens Type	Iv(mcd)		Viewing Angle 201/2	Drawing
				Min	Typ.		

2.8mmx3.5mm SMD

BL-LS3528C1S1UWC-0.2w	Ultra White		yellow	23	25	110
BL-LS3528C1S1UWC-0.5w	Ultra White			40	55	110

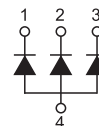
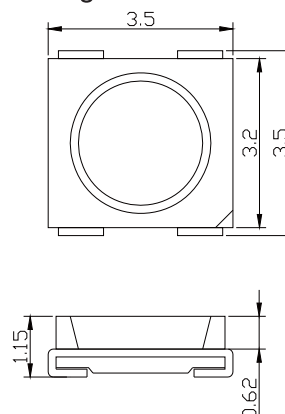
BL-LS3528C1S1 Package Outline Drawing



3.5mmx3.5mm SMD

BL-LS3535A0S3URUGUBC	Ultra Red	630	Water clear	250	320	120
	Ultra Pure Green	525		1300	1500	
	Ultra Blue	470		450	500	

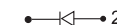
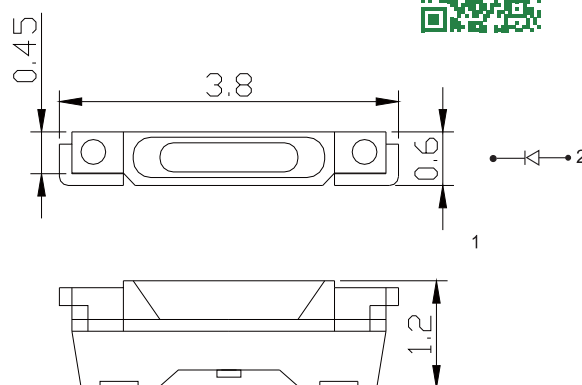
BL-LS3535A0S3XXX Package Outline Drawing



3.8mmx0.6mm SMD

BL-LS3806A0S1UEC	Ultra Red	630	Water Clear	250	320	120
BL-LS3806A0S1UYO	Ultra Amber	610		500	600	
BL-LS3806A0S1UYC	Ultra Yellow	593		500	600	
BL-LS3806A0S1UGC	Ultra Green	575		70	80	
BL-LS3806A0S1PGC	Ultra Pure Green	525		1300	1500	
BL-LS3806A0S1UBC	Ultra Blue	470		450	500	
BL-LS3806A0S1UWC	Ultra White	/		1900	2100	

BL-LS3806A0S1 Package Outline Drawing



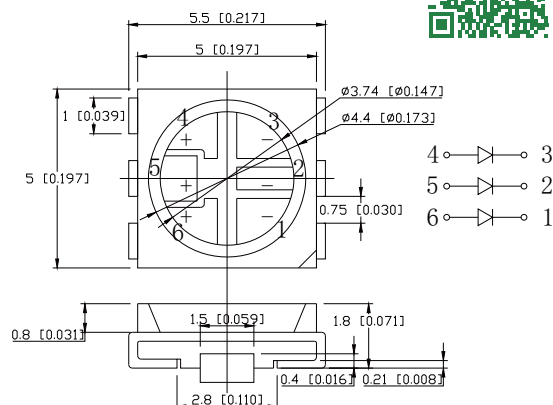
PLCC SMD LEDs

Part No	Emit Color	λ_p (nm)	Lens Type	Iv(mcd)		Viewing Angle 201/2	Drawing
				Min	Typ.		

5.5mmx5.0mm SMD, 1.8mm THICKNESS PLCC6 package

BL-LS5050A1S3UEC	Ultra Red	630	Water Clear	750	960	120
BL-LS5050A1S3UYO	Ultra Amber	610		1500	1800	
BL-LS5050A1S3UYC	Ultra Yellow	593		1500	1800	
BL-LS5050A1S3UGC	Ultra Green	575		210	240	
BL-LS5050A1S3PGC	Ultra Pure Green	525		3900	4500	
BL-LS5050A1S3UBC	Ultra Blue	470		1300	1500	
BL-LS5050A1S3UWC	Ultra White	/		5500	6200	

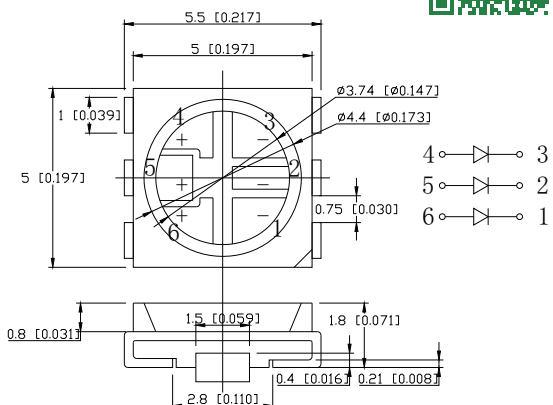
BL-LS5050A1S3
Package Outline Drawing



5.5mmx5.0mm SMD, 1.8mm THICKNESS PLCC6 package

BL-LS5050A0S3RGB	Red	660	Water Clear	110	180	120
	Green	574		28	50	
	Blue	470		70	120	
BL-LS5050A0S3URUG	Ultra Red	630		250	320	
	Ultra Pure Green	525		1300	1500	
	Ultra Blue	470		450	500	

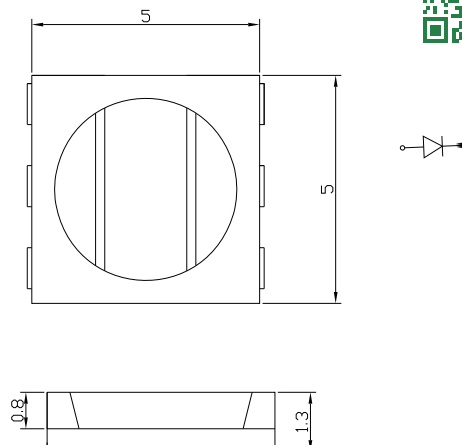
BL-LS5050A0S3XXX
Package Outline Drawing



5.0X5.0mm SMD LED

BL-LS5050B1S1UWC-0.5W	Ultra White		yellow	40	55	110
BL-LS5050B1S1UWC-1W	Ultra White		yellow	90	100	110

BL-LS5050B1S1
Package Outline Drawing



PLCC SMD LEDs

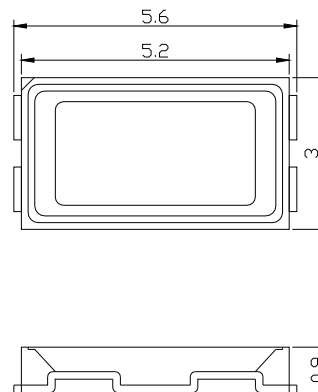
Part No	Emit Color	λ_p (nm)	Lens Type	Iv(mcd)		Viewing Angle 201/2	Drawing
				Min	Typ.		

5.6mmx3.0mm SMD

BL-LS5630A1S1UWC-0.5W	Ultra White	yellow	35	55	120
BL-LS5630A1S1UWC-1W	Ultra White	yellow	80	110	120

BL-LS5630A1S1

Package Outline Drawing

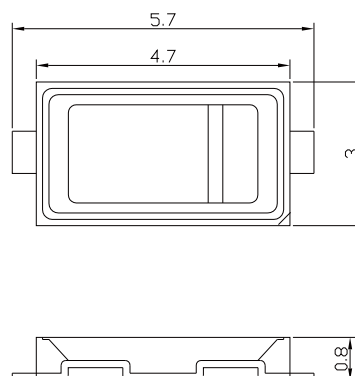


5.7mmx3.0mm SMD

BL-LS5730A1S1UWC-0.5W	Ultra White	yellow	35	55	120
BL-LS5730A1S1UWC-1W	Ultra White	yellow	80	110	120

BL-LS5730A1S1

Package Outline Drawing

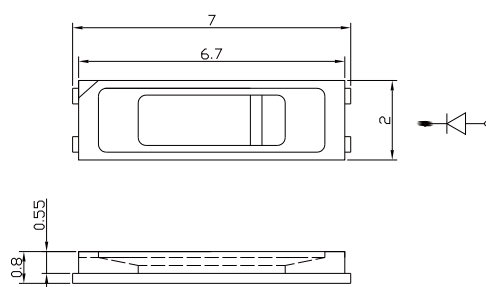


7.0mmx2.0mm SMD

BL-LS7020A1S1UWC-0.5W	Ultra White	yellow	35	55	120
BL-LS7020A1S1UWC-1W	Ultra White	yellow	80	110	120

BL-LS7020A0S1

Package Outline Drawing



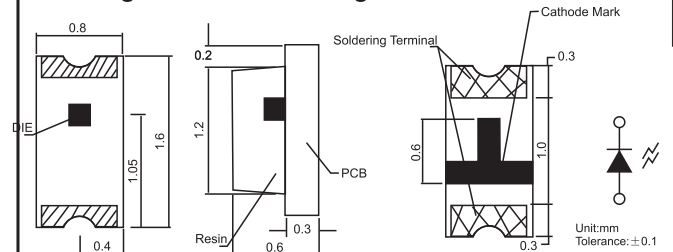
PCB LEDs

Part No	Emit Color	λ_p (nm)	Lens Type	Iv(mcd)		Viewing Angle 201/2	Drawing
				Min	Typ.		

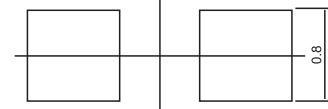
1.6mmx0.8mm SMD, 0.6mm THICKNESS

BL-LS1608A0E1UDR	Ultra Red	655	Water Clear	17	55	130
BL-LS1608A0E1UHR	Ultra Red	645		25	75	
BL-LS1608A0E1UEC	Ultra Red	630		20	70	
BL-LS1608A0E1UHD	Ultra Orange	618		45	105	
BL-LS1608A0E1UYO	Ultra Amber	610		25	75	
BL-LS1608A0E1UYC	Ultra Yellow	593		20	65	
BL-LS1608A0E1UGC	Ultra Green	575		10	35	
BL-LS1608A0E1PGC	Ultra Pure Green	525		50	100	
BL-LS1608A0E1BGC	Ultra Bluish Green	505		50	100	
BL-LS1608A0E1DNB	Blue	470		10	30	
BL-LS1608A0E1UBC	Ultra Blue	470		10	25	
BL-LS1608A0E1UWC	Ultra White	/		40	200	

BL-LS1608A0E1 Package Outline Drawing



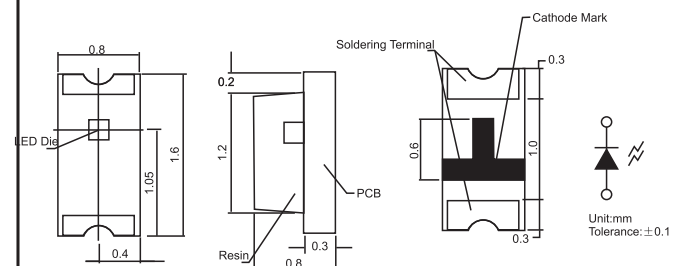
Recommended Soldering Pad Dimensions



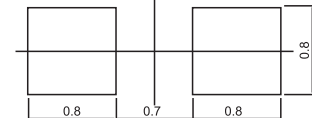
1.6mmx0.8mm SMD, 0.8mm THICKNESS

BL-LS1608B0E1UDR	Ultra Red	655	Water Clear	22	55	130
BL-LS1608B0E1UHR	Ultra Red	645		30	80	
BL-LS1608B0E1UEC	Ultra Red	630		30	80	
BL-LS1608B0E1UHD	Ultra Orange	618		50	110	
BL-LS1608B0E1UYO	Ultra Amber	610		30	80	
BL-LS1608B0E1UYC	Ultra Yellow	593		25	70	
BL-LS1608B0E1UGC	Ultra Green	575		10	40	
BL-LS1608B0E1PGC	Ultra Pure Green	525		50	100	
BL-LS1608B0E1BGC	Ultra Bluish Green	505		50	110	
BL-LS1608B0E1DNB	Blue	470		10	33	
BL-LS1608B0E1UBC	Ultra Blue	470		10	30	
BL-LS1608B0E1UWC	Ultra White	/		40	200	

BL-LS1608B0E1 Package Outline Drawing



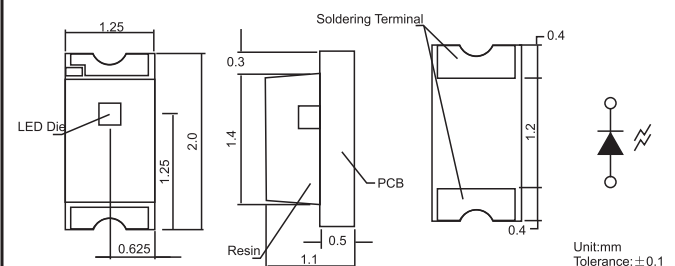
Recommended Soldering Pad Dimensions



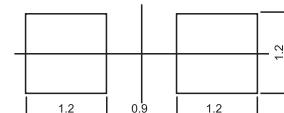
2.0mmx1.25mm SMD, 1.1mm THICKNESS

BL-LS2012A0E1UDR	Ultra Red	655	Water Clear	22	55	130
BL-LS2012A0E1UHR	Ultra Red	645		30	80	
BL-LS2012A0E1UEC	Ultra Red	630		30	70	
BL-LS2012A0E1UHD	Ultra Orange	618		50	110	
BL-LS2012A0E1UYO	Ultra Amber	610		30	70	
BL-LS2012A0E1UYC	Ultra Yellow	593		25	75	
BL-LS2012A0E1UGC	Ultra Green	575		10	45	
BL-LS2012A0E1PGC	Ultra Pure Green	525		50	100	
BL-LS2012A0E1BGC	Ultra Bluish Green	505		50	110	
BL-LS2012A0E1DNB	Blue	470		10	38	
BL-LS2012A0E1UBC	Ultra Blue	470		10	30	
BL-LS2012A0E1UWC	Ultra White	/		40	210	

BL-LS2012A0E1 Package Outline Drawing



Recommended Soldering Pad Dimensions



PCB LEDs

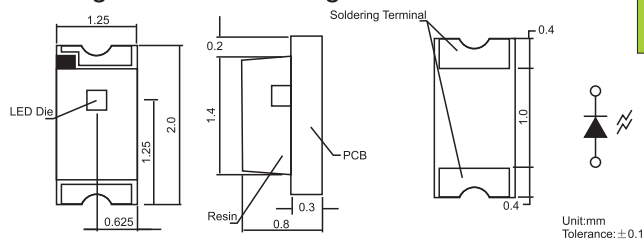
Part No	Emit Color	λ_p (nm)	Lens Type	Iv(mcd)		Viewing Angle 201/2	Drawing
				Min	Typ.		

2.0mmx1.25mm SMD, 0.8mm THICKNESS

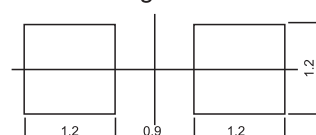
BL-LS2012B0E1UDR	Ultra Red	655	Water Clear	22	55	130
BL-LS2012B0E1UHR	Ultra Red	645		30	80	
BL-LS2012B0E1UEC	Ultra Red	630		30	70	
BL-LS2012B0E1UHD	Ultra Orange	618		50	110	
BL-LS2012B0E1UYO	Ultra Amber	610		30	70	
BL-LS2012B0E1UYC	Ultra Yellow	593		25	75	
BL-LS2012B0E1UGC	Ultra Green	575		10	45	
BL-LS2012B0E1PGC	Ultra Pure Green	525		50	100	
BL-LS2012B0E1BGC	Ultra Bluish Green	505		50	110	
BL-LS2012B0E1DNB	Blue	470		10	38	
BL-LS2012B0E1UBC	Ultra Blue	470		10	30	
BL-LS2012B0E1UWC	Ultra White	/		40	200	

BL-LS2012B0E1

Package Outline Drawing



Recommended Soldering Pad Dimensions

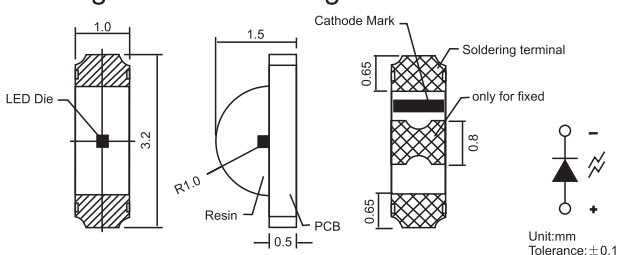


3.2mmx1.0mm SMD, 1.5mm THICKNESS

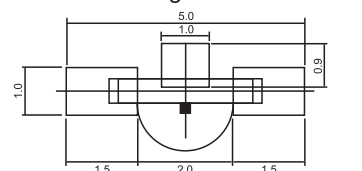
BL-LS3210A0E1UDR	Ultra Red	655	Water Clear	15	48	110
BL-LS3210A0E1UHR	Ultra Red	645		10	60	
BL-LS3210A0E1UEC	Ultra Red	630		20	70	
BL-LS3210A0E1UHD	Ultra Orange	618		10	55	
BL-LS3210A0E1UYO	Ultra Amber	610		30	90	
BL-LS3210A0E1UYC	Ultra Yellow	593		15	60	
BL-LS3210A0E1UGC	Ultra Green	575		15	50	
BL-LS3210A0E1PGC	Ultra Pure Green	525		50	105	
BL-LS3210A0E1BGC	Ultra Bluish Green	505		50	90	
BL-LS3210A0E1DNB	Blue	470		10	50	
BL-LS3210A0E1UBC	Ultra Blue	470		10	40	
BL-LS3210A0E1UWC	Ultra White	/		40	190	

BL-LS3210A0E1

Package Outline Drawing



Recommended Soldering Pad Dimensions

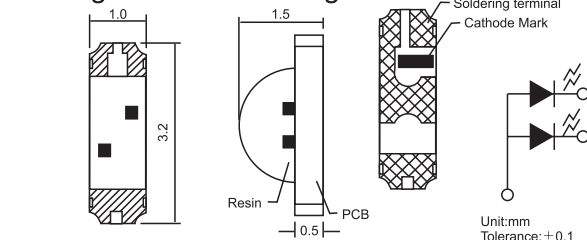


3.2mmx1.0mm SMD, 1.5mm THICKNESS, Bi-color type

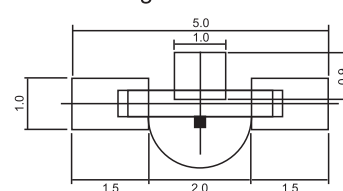
BL-LS3210A0E1 SGC	Red	660	Water Clear	5	10	110
	Green	568		6	15	
BL-LS3210A0E1 EGC	Red	640		4	10	
	Green	568		6	15	
BL-LS3210A0E1 UYUGC	Ultra Yellow	593		15	60	
	Ultra Green	575		15	50	
BL-LS3210A0E1 UEUGC	Ultra Red	645		10	60	
	Ultra Green	575		15	50	

BL-LS3210A0E1XX

Package Outline Drawing



Recommended Soldering Pad Dimensions



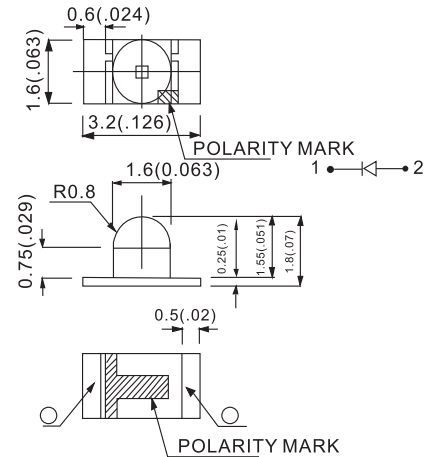
PCB LEDs

Part No	Emit Color	λ_p (nm)	Lens Type	Iv(mcd)		Viewing Angle 201/2	Drawing
				Min	Typ.		

3.2mmx1.6mm SMD, 1.8mm THICKNESS with Round Lends, SMD LED

BL-LS3216A0E1UEC	Ultra Red	630	Water Clear	150	400	50
BL-LS3216A0E1UYO	Ultra Amber	610		40	180	
BL-LS3216A0E1UYC	Ultra Yellow	593		90	200	
BL-LS3216A0E1UGC	Ultra Green	575		45	120	
BL-LS3216A0E1PGC	Ultra Pure Green	525		150	500	
BL-LS3216A0E1UBC	Ultra Blue	470		80	200	
BL-LS3216A0E1UWC	Ultra White	/		200	800	

BL-LS3216A0E1

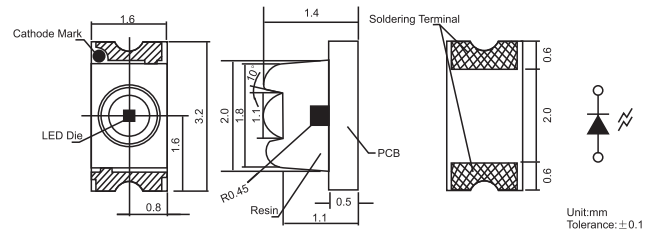


3.2mmx1.6mm SMD, 1.4mm THICKNESS

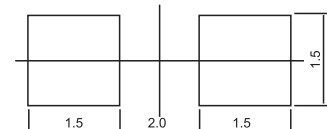
BL-LS3216B0E1UDR	Ultra Red	655	Water Clear	100	220	30
BL-LS3216B0E1UHR	Ultra Red	645		120	300	
BL-LS3216B0E1UEC	Ultra Red	630		150	330	
BL-LS3216B0E1UHD	Ultra Orange	618		250	580	
BL-LS3216B0E1UYO	Ultra Amber	610		200	370	
BL-LS3216B0E1UYC	Ultra Yellow	593		120	270	
BL-LS3216B0E1UGC	Ultra Green	575		60	130	
BL-LS3216B0E1PGC	Ultra Pure Green	525		100	280	
BL-LS3216B0E1BGC	Ultra Bluish Green	505		220	400	
BL-LS3216B0E1DNB	Blue	470		30	90	
BL-LS3216B0E1UBC	Ultra Blue	470		55	125	
BL-LS3216B0E1UWC	Ultra White	/		200	400	

BL-LS3216B0E1

Package Outline Drawing



Recommended Soldering Pad Dimensions

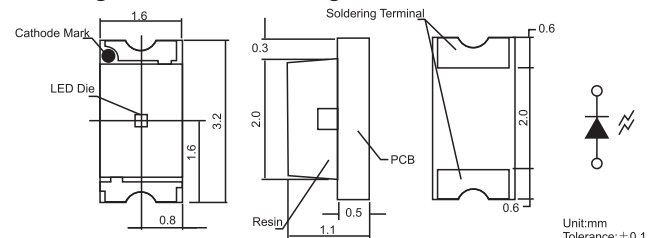


3.2mmx1.6mm SMD, 1.1mm THICKNESS

BL-LS3216C0E1UDR	Ultra Red	655	Water Clear	22	55	140
BL-LS3216C0E1UHR	Ultra Red	645		30	80	
BL-LS3216C0E1UEC	Ultra Red	630		30	80	
BL-LS3216C0E1UHD	Ultra Orange	618		50	110	
BL-LS3216C0E1UYO	Ultra Amber	610		25	65	
BL-LS3216C0E1UYC	Ultra Yellow	593		25	70	
BL-LS3216C0E1UGC	Ultra Green	575		15	45	
BL-LS3216C0E1PGC	Ultra Pure Green	525		15	100	
BL-LS3216C0E1BGC	Ultra Bluish Green	505		30	110	
BL-LS3216C0E1DNB	Blue	470		15	40	
BL-LS3216C0E1UBC	Ultra Blue	470		10	30	
BL-LS3216C0E1UWC	Ultra White	/		100	270	

BL-LS3216C0E1

Package Outline Drawing



Recommended Soldering Pad Dimensions

