

LED Component

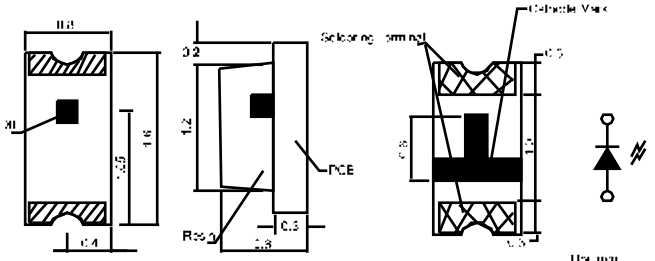
SMD LED LAMP

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

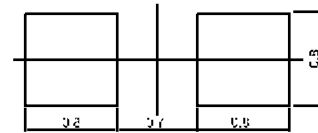
1.6mmx0.8mm SMD, 0.6mm THICKNESS

Part No	Emit Color	λ P (nm)	Water Clear	Min	Typ.	130
BL-LS0603LLDR	Ultra Red	655		17	55	
BL-LS0603LLHR	Ultra Red	645	25	75		
BL-LS0603LLOR	Ultra Orange	630	20	70		
BL-LS0603LLHD	Ultra Orange	618	45	105		
BL-LS0603LLYO	Ultra Amber	610	25	75		
BL-LS0603LLYC	Ultra Yellow	593	20	65		
BL-LS0603LLGC	Ultra Green	575	10	35		
BL-LS0603LLPGC	Ultra Pure Green	525	50	100		
BL-LS0603LLBGC	Ultra Bluish Green	515	50	100		
BL-LS0603LLDNB	Blue	470	10	30		
BL-LS0603LLBC	Ultra Blue	470	10	25		
BL-LS0603LLWC	Ultra White		40	200		

BL-LS0603L Package Outline Drawing



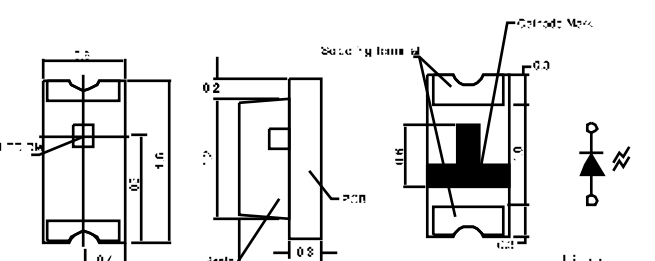
Recommended Soldering Pad Dimensions



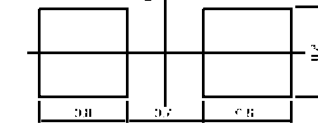
1.6mmx0.8mm SMD, 0.8mm THICKNESS

Part No	Emit Color	λ P (nm)	Water Clear	Min	Typ.	130
BL-LS0603UDR	Ultra Red	655		22	55	
BL-LS0603UIR	Ultra Red	645	30	80		
BL-LS0603UOR	Ultra Orange	630	30	80		
BL-LS0603UOD	Ultra Orange	618	50	110		
BL-LS0603UYO	Ultra Amber	610	30	80		
BL-LS0603UYC	Ultra Yellow	593	25	70		
BL-LS0603UGC	Ultra Green	575	10	40		
BL-LS0603PGC	Ultra Pure Green	525	50	100		
BL-LS0603LGC	Ultra Bluish Green	515	50	110		
BL-LS0603DNB	Blue	470	10	33		
BL-LS0603UBC	Ultra Blue	470	10	30		
BL-LS0603UWC	Ultra White		40	200		

BL-LS0603 Package Outline Drawing



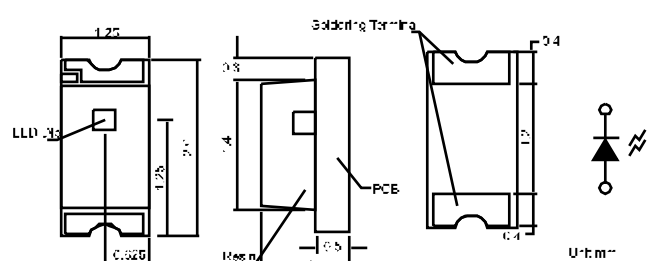
Recommended Soldering Pad Dimensions



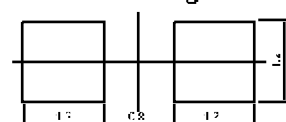
2.0mmx1.25mm SMD, 1.1mm THICKNESS

Part No	Emit Color	λ P (nm)	Water Clear	Min	Typ.	130
BL-LS0805HUR	Ultra Red	655		22	55	
BL-LS0805HUR	Ultra Red	645	30	80		
BL-LS0805HUEC	Ultra Orange	630	30	70		
BL-LS0805HOD	Ultra Orange	618	50	110		
BL-LS0805HUYO	Ultra Amber	610	30	70		
BL-LS0805HUYC	Ultra Yellow	593	25	75		
BL-LS0805HUGC	Ultra Green	575	10	45		
BL-LS0805HPGC	Ultra Pure Green	525	50	100		
BL-LS0805HBGC	Ultra Bluish Green	515	50	110		
BL-LS0805HDNB	Blue	470	10	38		
BL-LS0805HURC	Ultra Blue	470	10	30		
BL-LS0805HUWC	Ultra White		40	210		

BL-LS0805H Package Outline Drawing



Recommended Soldering Pad Dimensions



All dimensions are in millimeters (inches)
Tolerance is ±0.25(0.01") unless otherwise noted.
Specifications are subject to change without notice.

LED Component

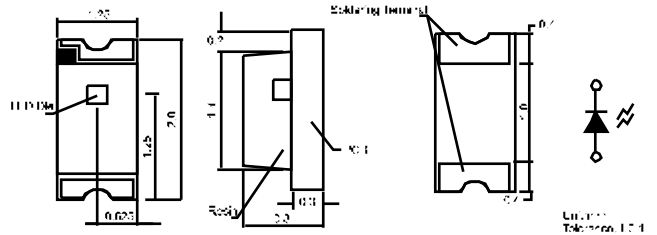
SMD LED LAMP

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

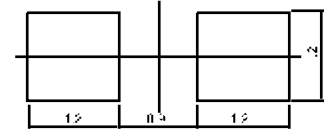
2.0mmx1.25mm SMD, 0.8mm THICKNESS

Part No	Emit Color	λ P (nm)	Water Clear	Min	Typ.	130
BL-LS0805UJR	Ultra Red	655		22	55	
BL-LS0805UIR	Ultra Red	645	30	80		
BL-LS0805UOC	Ultra Orange	630	30	70		
BL-LS0805UOD	Ultra Orange	618	50	110		
BL-LS0805UYG	Ultra Amber	610	30	70		
BL-LS0805UYC	Ultra Yellow	593	25	75		
BL-LS0805UGC	Ultra Green	575	10	45		
BL-LS0805PGC	Ultra Pure Green	525	50	100		
BL-LS0805HGC	Ultra Bluish Green	515	50	110		
BL-LS0805DNB	Blue	470	10	38		
BL-LS0805UBC	Ultra Blue	470	10	30		
BL-LS0805UWC	Ultra White		40	200		

BL-LS0805 Package Outline Drawing



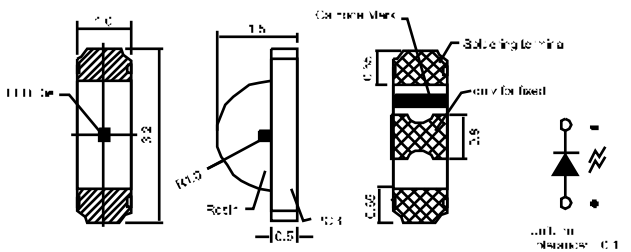
Recommended Soldering Pad Dimensions



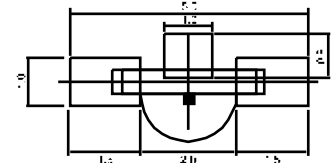
3.2mmx1.0mm SMD, 1.5mm THICKNESS

Part No	Emit Color	λ P (nm)	Water Clear	Min	Typ.	110
BL-LS1204UJR	Ultra Red	655		15	48	
BL-LS1204UIR	Ultra Red	645	10	60		
BL-LS1204UOC	Ultra Orange	630	20	70		
BL-LS1204UOD	Ultra Orange	618	10	55		
BL-LS1204UYG	Ultra Amber	610	30	90		
BL-LS1204UYC	Ultra Yellow	593	15	60		
BL-LS1204UGC	Ultra Green	575	15	50		
BL-LS1204PGC	Ultra Pure Green	525	50	105		
BL-LS1204BGC	Ultra Bluish Green	515	50	90		
BL-LS1204DNB	Blue	470	10	50		
BL-LS1204UBC	Ultra Blue	470	10	40		
BL-LS1204UWC	Ultra White		40	190		

BL-LS1204 Package Outline Drawing



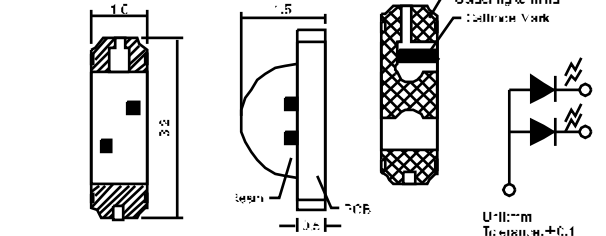
Recommended Soldering Pad Dimensions



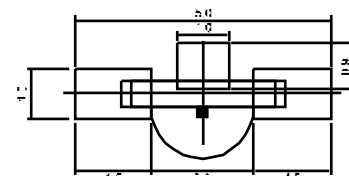
3.2mmx1.0mm SMD, 1.5mm THICKNESS, Bi-color type

Part No	Emit Color	λ P (nm)	Water Clear	Min	Typ.	110
BL-LS120VSGC	Red	660		5	10	
	Green	568	6	15		
BL-LS120VEGC	Orange	640	4	10		
	Green	568	6	15		
BL-LS1204UYUGC	Ultra Yellow	593	15	60		
	Ultra Green	575	15	50		
BL-LS1204UFUGC	Ultra Orange	645	10	60		
	Ultra Green	575	15	50		

BL-LS1204XX Package Outline Drawing



Recommended Soldering Pad Dimensions



All dimensions are in millimeters (inches)
Tolerance is ±0.25(0.01") unless otherwise noted.
Specifications are subject to change without notice.

LED Component

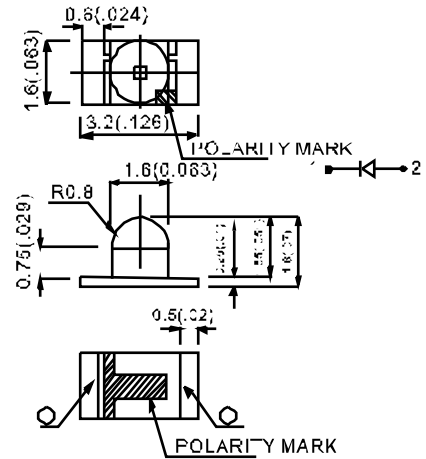
SMD LED LAMP

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

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

Part No	Emit Color	λP (nm)	Lens Type	Min Iv(mcd)	Typ. Iv(mcd)	Viewing Angle
BL-LS1206RUEC	Ultra Orange	630	Water Clear	50	400	50
BL-LS1206RUYO	Ultra Amber	610		40	180	
BL-LS1206RUYC	Ultra Yellow	593	90	200		
BL-LS1206RUGC	Ultra Green	575	45	120		
BL-LS1206RPGC	Ultra Pure Green	525	500	500		
BL-LS1206RUBC	Ultra Blue	470	80	200		
BL-LS1206RUWC	Ultra White	/	200	800		

BL-LS1206R

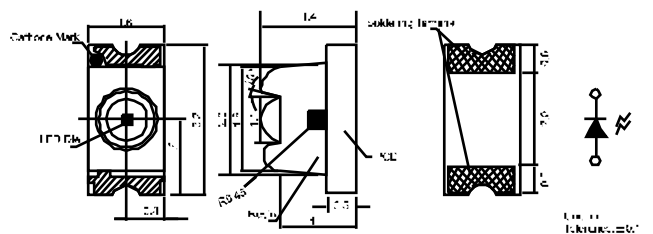


3.2mmx1.6mm SMD, 1.4mm THICKNESS

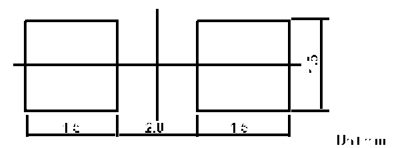
Part No	Emit Color	λP (nm)	Lens Type	Min Iv(mcd)	Typ. Iv(mcd)	Viewing Angle
BL-LS1206VUDR	Ultra Red	655	Water Clear	100	220	30
BL-LS1206VUIR	Ultra Red	645		120	300	
BL-LS1206VUEC	Ultra Orange	630	150	330		
BL-LS1206VUHD	Ultra Orange	618	250	580		
BL-LS1206VUYO	Ultra Amber	610	200	370		
BL-LS1206VUYC	Ultra Yellow	593	120	270		
BL-LS1206VUGC	Ultra Green	575	60	130		
BL-LS1206VPGC	Ultra Pure Green	525	100	280		
BL-LS1206VBGC	Ultra Bluish Green	505	220	400		
BL-LS1206VDNB	Blue	470	30	90		
BL-LS1206VUBC	Ultra Blue	470	55	125		
BL-LS1206VUWC	Ultra White	/	200	400		

BL-LS1206V

Package Outline Drawing



Recommended Soldering Pad Dimensions

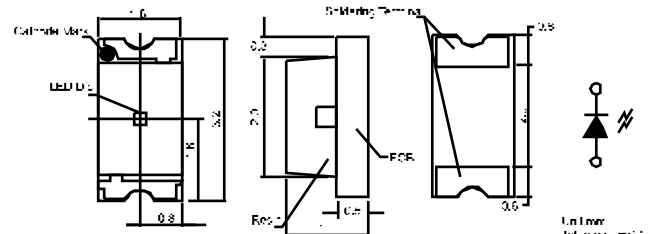


3.2mmx1.6mm SMD, 1.1mm THICKNESS

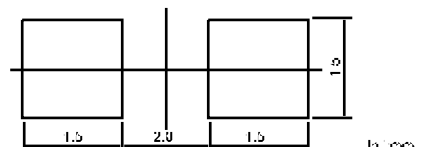
Part No	Emit Color	λP (nm)	Lens Type	Min Iv(mcd)	Typ. Iv(mcd)	Viewing Angle
BL-LS1206UDR	Ultra Red	655	Water Clear	22	55	140
BL-LS1206UIR	Ultra Red	645		30	80	
BL-LS1206UEC	Ultra Orange	630	30	80		
BL-LS1206UHD	Ultra Orange	618	50	110		
BL-LS1206UYO	Ultra Amber	610	25	65		
BL-LS1206UYC	Ultra Yellow	593	25	70		
BL-LS1206UGC	Ultra Green	575	15	45		
BL-LS1206PGC	Ultra Pure Green	525	15	100		
BL-LS1206VGC	Ultra Bluish Green	505	30	110		
BL-LS1206DNB	Blue	470	15	40		
BL-LS1206UBC	Ultra Blue	470	10	30		
BL-LS1206UWC	Ultra White	/	100	270		

BL-LS1206

Package Outline Drawing



Recommended Soldering Pad Dimensions



All dimensions are in millimeters (inches)
Tolerance is ±0.25(0.01") unless otherwise noted.
Specifications are subject to change without notice.

LED Component

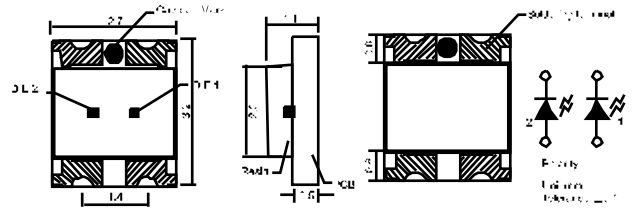
SMD LED LAMP

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

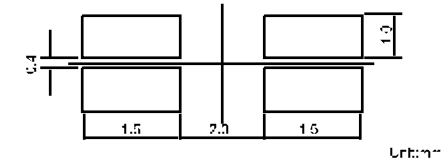
3.2mmx2.7mm SMD, 1.1mm THICKNESS

Part No	Emit Color	λ P (nm)	Lens Type	Min	Typ.	Viewing Angle
BL-LS1210SDC	Red	660		Water	5	
	Green	568	6		15	
BL-LS1210EGC	Orange	640	Clear	4	8	130
	Green	568		6	15	
BL-LS1210UYUGC	Ultra Yellow	593	Clear	20	70	130
	Ultra Green	575		15	45	
BL-LS1210UEUGC	Ultra Orange	615	Clear	22	80	130
	Ultra Green	575		15	45	

BL-LS1210 Package Outline Drawing



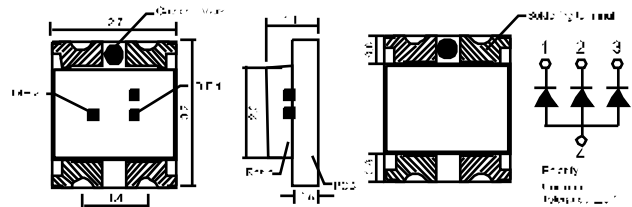
Recommended Soldering Pad Dimensions



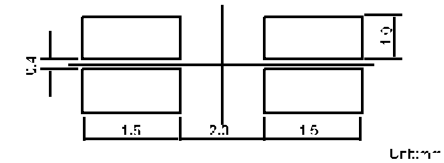
3.2mmx2.7mm SMD, 1.1mm THICKNESS, RGB type

Part No	Emit Color	λ P (nm)	Lens Type	Min	Typ.	Viewing Angle
BL-LS1210RGB	Red	660		Water	5	
	Green	568	6		14	
	Blue	470	10		18	
BL-LS1210JRGBLDC	Ultra Orange	615	Clear	40	55	120
	Ultra Green	574		35	50	
	Ultra Blue	470		20	28	

BL-LS1210RGB Package Outline Drawing



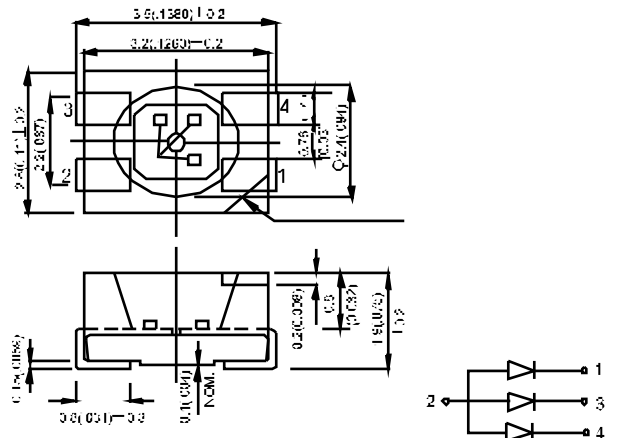
Recommended Soldering Pad Dimensions



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

Part No	Emit Color	λ P (nm)	Lens Type	Min	Typ.	Viewing Angle
BL-LS1311UEC-3	Ultra Orange	630		Water	400	
BL-LS1311UYG-3	Ultra Amber	610	300		800	
BL-LS1311UYC-3	Ultra Yellow	593	Clear	600	800	120
BL-LS1311UGC-3	Ultra Green	575		25	50	
BL-LS1311PGC-3	Ultra Pure Green	525	Clear	700	1000	120
BL-LS1311UBC-3	Ultra Blue	470		400	700	
BL-LS1311UWC-3	Ultra White		Clear	1000	1500	120

BL-LS1311-3



All dimensions are in millimeters (inches)
Tolerance is ±0.25(0.01") unless otherwise noted.
Specifications are subject to change without notice.

LED Component

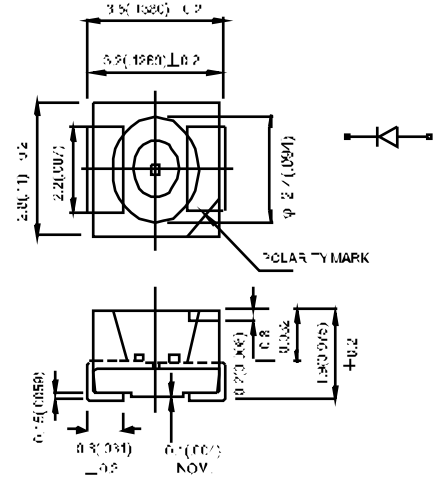
SMD LED LAMP

Part No	Emit Color	λ P (nm)	Lens Type	Iv(mcd)		Viewing Angle 2θ1/2	Drawing
				Min	Typ.		

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

Part No	Emit Color	λ P (nm)	Lens Type	Iv(mcd) Min	Iv(mcd) Typ.	Viewing Angle 2θ1/2
BL-LS1311UEC	Ultra Orange	630	Water	180	380	120
BL-LS1311UYO	Ultra Amber	610		50	160	
BL-LS1311UYC	Ultra Yellow	593	Clear	200	400	
BL-LS1311UGC	Ultra Green	575		28	50	
BL-LS1311PGC	Ultra Pure Green	525	200	500		
BL-LS1311UBC	Ultra Blue	470	100	200		
BL-LS1311UWC	Ultra White		280	500		

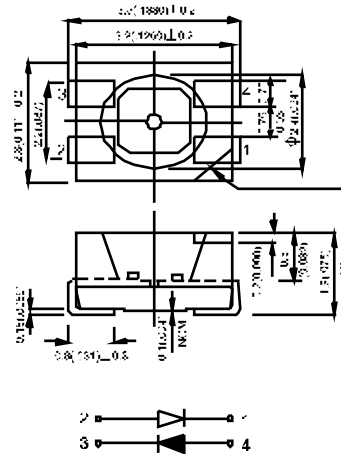
BL-LS1311



3.5mmx2.8mm SMD Bi-Color, 1.9mm THICKNESS PLCC4 package

Part No	Emit Color	λ P (nm)	Lens Type	Iv(mcd) Min	Iv(mcd) Typ.	Viewing Angle 2θ1/2
BL-LS1311EGC	Orange	610	Water	50	80	120
	Green	565		28	50	
BL-LS1311UYUCC	Ultra Yellow	590	Clear	50	120	
	Ultra Green	575		50	80	
BL-LS1311UEUCC	Ultra Orange	623	110	180		
	Ultra Green	575	50	80		

BL-LS1311EG



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

Part No	Emit Color	λ P (nm)	Lens Type	Iv(mcd) Min	Iv(mcd) Typ.	Viewing Angle 2θ1/2
BL-LS1923RGBC	Red	660	Water	110	180	100
	Green	574		28	50	
	Blue	470		70	120	
BL-LS1923JRGBLDC	Ultra Red	630	Clear	180	380	
	Ultra Pure Green	525		200	400	
	Ultra Blue	470		110	220	

BL-LS1923

