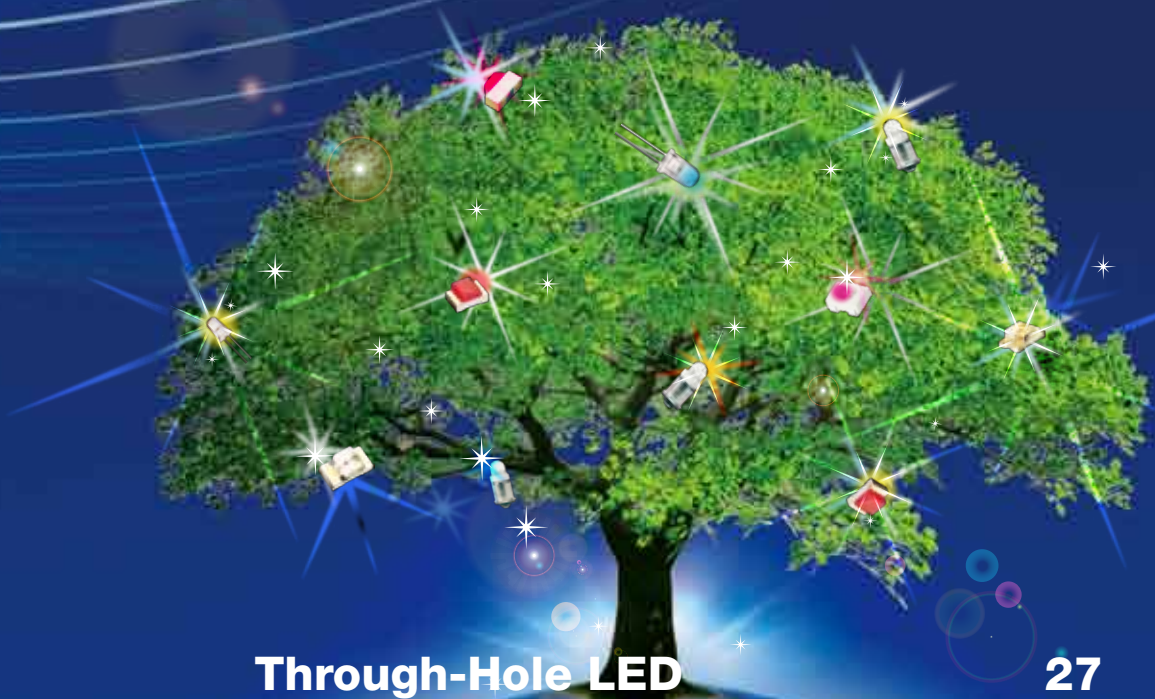


Kingbright

Optoelectronic Components


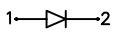


Through-Hole LED




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SUBMINIATURE LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
KM2520SURCK01	AlGaInP	630	water clear	900	2400	20°	Subminiature Solid State Lamps  KM2520xxx01 
KM2520SECK01	AlGaInP	601	water clear	900	2500	20°	
KM2520SYCK01	AlGaInP	590	water clear	900	2200	20°	
KM2520MGC01	AlGaInP	570	water clear	380	900	20°	
KM2520CGCK01	AlGaInP	570	water clear	280	700	20°	
KM2520ZGC01	InGaIn	525	water clear	1200	2500	20°	
KM2520ZGC-E01	InGaIn	525	water clear	2200	4000	20°	
KM2520ZGC-G01	InGaIn	525	water clear	2800	5000	20°	
KM2520QBC-D01	InGaIn	470	water clear	180	500	20°	
KM2520QBC-F01	InGaIn	465	water clear	480	850	20°	
KM2520QBC-G01	InGaIn	465	water clear	650	1300	20°	




ROUND LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
L-2060ID	GaAsP/GaP	625	red diffused	8	15	70°	1.8mm Round  L-2060
L-2060SRD	GaAlAs	640	red diffused	*70	*200	70°	
L-2060SRC	GaAlAs	640	water clear	*110	*300	30°	
L-2060ED	GaAsP/GaP	625	orange diffused	8	15	70°	
L-2060YD	GaAsP/GaP	588	yellow diffused	5	8	70°	
L-2060GD	GaP	568	green diffused	5	10	70°	
L-1154ID	GaAsP/GaP	625	red diffused	8	25	60°	T-1 (3mm) Round  L-1154
L-1154IT	GaAsP/GaP	625	red transparent	18	60	50°	
L-1154ND	GaAsP/GaP	610	orange diffused	8	30	60°	
L-1154NT	GaAsP/GaP	610	orange transparent	18	50	50°	
L-1154YD	GaAsP/GaP	588	yellow diffused	5	15	60°	
L-1154YT	GaAsP/GaP	588	yellow transparent	8	20	50°	
L-1154GD	GaP	568	green diffused	8	15	60°	
L-1154GT	GaP	568	green transparent	18	40	50°	
L-1154PGD	GaP	555	green diffused	1.8	5	60°	
L-1154PGT	GaP	555	green transparent	3	10	50°	
L-132XID	GaAsP/GaP	625	red diffused	8	25	60°	T-1 (3mm) Round  L-132X
L-132XIT	GaAsP/GaP	625	red transparent	18	60	50°	
L-132XND	GaAsP/GaP	610	orange diffused	8	30	60°	
L-132XNT	GaAsP/GaP	610	orange transparent	18	50	50°	
L-132XNC	GaAsP/GaP	610	water clear	18	50	50°	
L-132XYD	GaAsP/GaP	588	yellow diffused	5	15	60°	
L-132XYT	GaAsP/GaP	588	yellow transparent	8	20	50°	
L-132XYC	GaAsP/GaP	588	water clear	8	20	50°	
L-132XGD	GaP	568	green diffused	8	15	60°	
L-132XGT	GaP	568	green transparent	12	40	50°	
L-132XGC	GaP	568	water clear	12	40	50°	
L-132XPGD	GaP	555	green diffused	1.8	5	60°	
L-132XPGT	GaP	555	green transparent	3	10	50°	
L-132XPGC	GaP	555	water clear	3	10	50°	

NOTES:

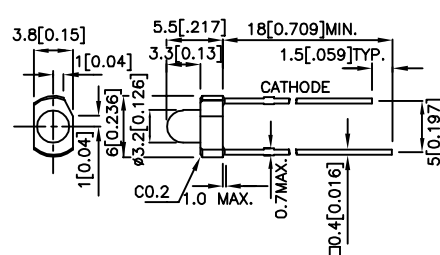
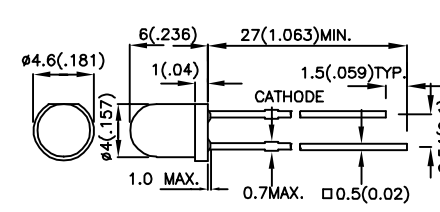
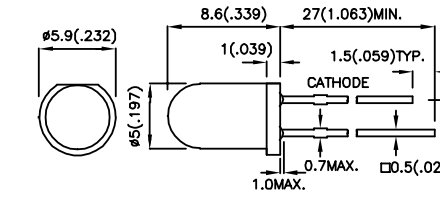
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ ($0.01''$) unless otherwise noted.

ROUND LED

PART NUMBER	MATERIAL	λD (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2θ1/2	DIMENSION
				MIN.	TYP.		
L-7104ID	GaAsP/GaP	625	red diffused	8	20	40°	T-1 (3mm) Round 
L-7104IT	GaAsP/GaP	625	red transparent	18	60	34°	
L-7104EC	GaAsP/GaP	625	water clear	18	60	34°	
L-7104ED	GaAsP/GaP	625	orange diffused	8	20	40°	
L-7104ND	GaAsP/GaP	610	orange diffused	8	30	40°	
L-7104NT	GaAsP/GaP	610	orange transparent	18	50	34°	
L-7104NC	GaAsP/GaP	610	water clear	18	50	34°	
L-7104YD	GaAsP/GaP	588	yellow diffused	5	15	40°	
L-7104YT	GaAsP/GaP	588	yellow transparent	8	30	34°	
L-7104YC	GaAsP/GaP	588	water clear	8	30	34°	
L-7104GD	GaP	568	green diffused	8	20	40°	
L-7104GT	GaP	568	green transparent	18	60	34°	
L-7104GC	GaP	568	water clear	18	60	34°	
L-7104PGD	GaP	555	green diffused	1.8	5	40°	
L-7104PGT	GaP	555	green transparent	3	15	34°	
L-7104PGC	GaP	555	water clear	3	15	34°	
L-7104SRC-D	GaAlAs	640	water clear	*480	*600	34°	
L-7104SRC-E	GaAlAs	640	water clear	*650	*800	34°	
L-7104SRD-D	GaAlAs	640	red diffused	*110	*150	40°	
L-7104SRD-E	GaAlAs	640	red diffused	*180	*250	40°	
L-7104SRD-F	GaAlAs	640	red diffused	*280	*350	40°	
L-7104SURC-E	AlGaInP	630	water clear	*900	*1300	34°	
L-7104SECK	AlGaInP	601	water clear	*280	*900	34°	
L-7104SETK	AlGaInP	601	orange transparent	*280	*650	34°	
L-7104SEDK	AlGaInP	601	orange diffused	*180	*350	40°	
L-7104SEC-E	AlGaInP	621	water clear	*900	*2000	34°	
L-7104SEC-H	AlGaInP	630	water clear	*1800	*3500	34°	
L-7104SYCK	AlGaInP	590	water clear	*380	*1300	34°	
L-7104SYTK	AlGaInP	590	yellow transparent	*280	*700	34°	
L-7104SYDK	AlGaInP	590	yellow diffused	*70	*150	40°	
L-7104SYC-H	AlGaInP	589	water clear	*650	*2000	34°	
L-7104SGC	GaP	568	water clear	*70	*150	34°	
L-7104SGD	GaP	568	green diffused	*18	*40	40°	
L-7104CGCK	AlGaInP	570	water clear	*110	*350	34°	
L-7104ZGC	InGaN	525	water clear	*2800	*6500	34°	
L-7104ZGC-E	InGaN	525	water clear	*3800	*6800	34°	
L-7104QBC-D	InGaN	470	water clear	*650	*1500	20°	
L-7104QBC-F	InGaN	465	water clear	*1000	*1800	20°	
L-7104QBC-G	InGaN	465	water clear	*1100	*2300	20°	
L-34HD	GaP	660	red diffused	1	3	60°	T-1 (3mm) Round 
L-34ID	GaAsP/GaP	625	red diffused	8	25	60°	
L-34YD	GaAsP/GaP	588	yellow diffused	1.8	6	60°	
L-34AD	GaAsP/GaP	588	amber diffused	3	12	60°	
L-34GD	GaP	568	green diffused	5	20	60°	
L-174XHT	GaP	660	red transparent	1.8	5	35°	3.2mm Round 
L-174XIT	GaAsP/GaP	625	red transparent	8	30	35°	
L-174XSRT	GaAlAs	640	red transparent	*110	*400	35°	
L-174XYT	GaAsP/GaP	588	yellow transparent	8	30	35°	
L-174XGT	GaP	568	green transparent	8	30	35°	

NOTES:
 1. All dimensions are in millimeters (inches).
 2. Tolerance is ±0.25mm (0.01") unless otherwise noted.


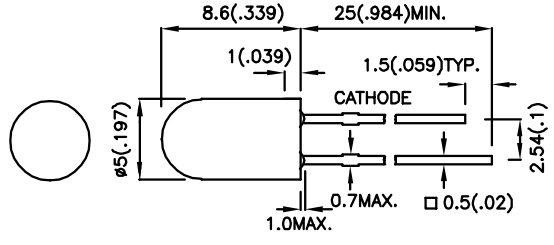

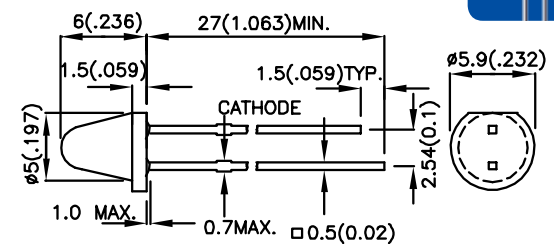

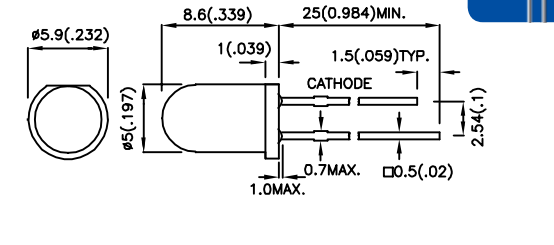
ROUND LED

PART NUMBER	MATERIAL	λD (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2θ1/2	DIMENSION
				MIN.	TYP.		
L-174A2HT	GaP	660	red transparent	1.8	6	35°	3.2mm Round 
L-174A2IT	GaAsP/GaP	625	red transparent	28	90	35°	
L-174A2SRT	GaAlAs	640	red transparent	*380	*900	35°	
L-174A2YT	GaAsP/GaP	588	yellow transparent	18	35	35°	
L-174A2GT	GaP	568	green transparent	12	40	35°	
L-43HD	GaP	660	red diffused	0.7	2	80°	4mm Round 
L-43ID	GaAsP/GaP	625	red diffused	5	15	80°	
L-43YD	GaAsP/GaP	588	yellow diffused	3	10	80°	
L-43GD	GaP	568	green diffused	3	12	80°	
L-7113ID	GaAsP/GaP	625	red diffused	8	45	30°	T-1 3/4 (5mm) Round 
L-7113IT	GaAsP/GaP	625	red transparent	28	80	20°	
L-7113ED	GaAsP/GaP	625	orange diffused	8	25	30°	
L-7113EC	GaAsP/GaP	625	water clear	28	80	20°	
L-7113ND	GaAsP/GaP	610	orange diffused	12	30	30°	
L-7113NT	GaAsP/GaP	610	orange transparent	40	80	20°	
L-7113NC	GaAsP/GaP	610	water clear	40	80	20°	
L-7113YD	GaAsP/GaP	588	yellow diffused	5	20	30°	
L-7113YT	GaAsP/GaP	588	yellow transparent	18	40	20°	
L-7113YC	GaAsP/GaP	588	water clear	18	40	20°	
L-7113GD	GaP	568	green diffused	5	20	30°	
L-7113GT	GaP	568	green transparent	18	60	20°	
L-7113GC	GaP	568	water clear	18	60	20°	
L-7113PGD	GaP	555	green diffused	1.8	5	30°	
L-7113PGT	GaP	555	green transparent	5	10	20°	
L-7113PGC	GaP	555	water clear	5	10	20°	
L-7113SRC-DU	GaAlAs	640	water clear	*900	*1100	20°	
L-7113SRC-DV	GaAlAs	640	water clear	*1200	*1400	20°	
L-7113SRC-DW	GaAlAs	640	water clear	*1500	*1700	20°	
L-7113SRD-D	GaAlAs	640	red diffused	*180	*250	30°	
L-7113SRD-E	GaAlAs	640	red diffused	*280	*400	30°	
L-7113SRD-F	GaAlAs	640	red diffused	*480	*600	30°	
L-7113SURC	AlGainP	630	water clear	*1200	*1400	20°	
L-7113SURC-E	AlGainP	630	water clear	*1500	*2200	20°	
L-7113SECK	AlGainP	601	water clear	*650	*2400	20°	
L-7113SETK	AlGainP	601	orange transparent	*650	*2400	20°	
L-7113SEDK	AlGainP	601	orange diffused	*280	*600	30°	
L-7113SEC-E	AlGainP	621	water clear	*1500	*5000	20°	
L-7113SEC-H	AlGainP	630	water clear	*3800	*10000	20°	
L-7113SYCK	AlGainP	590	water clear	*480	*1800	20°	
L-7113SYTK	AlGainP	590	yellow transparent	*480	*1000	20°	
L-7113SYDK	AlGainP	590	yellow diffused	*110	*380	30°	
L-7113SYC-H	AlGainP	589	water clear	*1500	*3300	20°	
L-7113SGC	GaP	568	water clear	*70	*200	20°	
L-7113SGD	GaP	568	green diffused	*18	*40	30°	
L-7113CGCK	AlGainP	570	water clear	*480	*1200	20°	
L-7113ZGC	InGaN	525	water clear	*3800	*6500	20°	
L-7113ZGC-E	InGaN	525	water clear	*7500	*15000	20°	
L-7113QBC-D	InGaN	470	water clear	*900	*2200	16°	
L-7113QBC-F	InGaN	465	water clear	*1800	*3300	16°	
L-7113QBC-G	InGaN	465	water clear	*2200	*4000	16°	

NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.


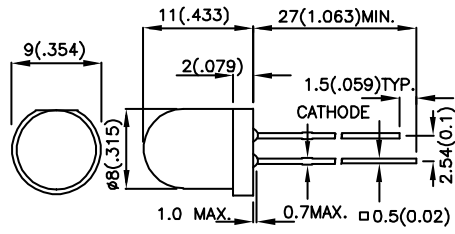

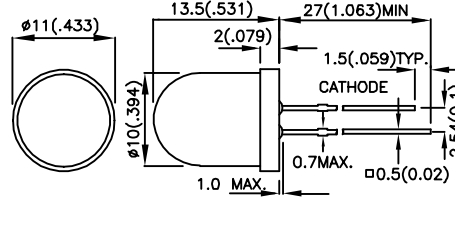
ROUND LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
L-1503ID	GaAsP/GaP	625	red diffused	8	30	60°	T-1 3/4 (5mm) Round  
L-1503IT	GaAsP/GaP	625	red transparent	28	80	30°	
L-1503EC	GaAsP/GaP	625	water clear	28	80	30°	
L-1503SRD	GaAlAs	640	red diffused	*380	*700	60°	
L-1503SRC-D	GaAlAs	640	water clear	*900	*1500	30°	
L-1503YD	GaAsP/GaP	588	yellow diffused	5	20	60°	
L-1503YT	GaAsP/GaP	588	yellow transparent	18	40	30°	
L-1503YC	GaAsP/GaP	588	water clear	18	40	30°	
L-1503GD	GaP	568	green diffused	5	20	60°	
L-1503GT	GaP	568	green transparent	18	60	30°	
L-1503GC	GaP	568	water clear	18	60	30°	
L-1503SGT	GaP	568	green transparent	*70	*150	30°	
L-1503SGC	GaP	568	water clear	*70	*200	30°	
L-1513IT	GaAsP/GaP	625	red transparent	40	80	20°	
L-1513EC	GaAsP/GaP	625	water clear	40	80	20°	
L-1513SURC	AlGaInP	630	water clear	*1200	*1800	20°	
L-1513SURC-E	AlGaInP	630	water clear	*1500	*2200	20°	
L-1513YT	GaAsP/GaP	588	yellow transparent	18	40	20°	
L-1513YC	GaAsP/GaP	588	water clear	18	40	20°	
L-1513GT	GaP	568	green transparent	18	50	20°	
L-1513GC	GaP	568	water clear	18	50	20°	
L-63ID	GaAsP/GaP	625	red diffused	12	20	60°	T-1 3/4 (5mm) Round  
L-63IT	GaAsP/GaP	625	red transparent	28	50	30°	
L-63SRD	GaAlAs	640	red diffused	*110	*300	60°	
L-63SRT	GaAlAs	640	red transparent	*280	*600	30°	
L-63SRC	GaAlAs	640	water clear	*180	*700	30°	
L-63YD	GaAsP/GaP	588	yellow diffused	1.8	6	60°	
L-63YT	GaAsP/GaP	588	yellow transparent	18	35	30°	
L-63GD	GaP	568	green diffused	5	12	60°	
L-63GT	GaP	568	green transparent	18	40	30°	
L-7143SRC-C	GaAlAs	640	water clear	*380	*600	30°	T-1 3/4 (5mm) Round  
L-7143SRC-D	GaAlAs	640	water clear	*650	*900	30°	
L-7143SGC	GaP	568	water clear	*70	*150	30°	


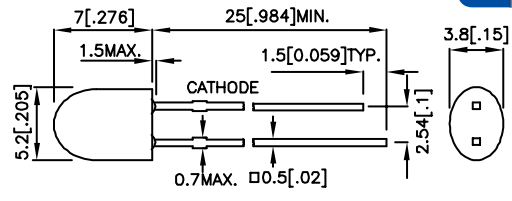
NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.01\text{'})$ unless otherwise noted.

ROUND LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
L-793ID	GaAsP/GaP	625	red diffused	*36	*100	30°	8mm Round  
L-793SRC-D	GaAlAs	640	water clear	*1500	*1700	15°	
L-793SRC-E	GaAlAs	640	water clear	*1800	*2700	15°	
L-793SRD-C	GaAlAs	640	red diffused	*180	*250	30°	
L-793SRD-D	GaAlAs	640	red diffused	*280	*350	30°	
L-793SRD-E	GaAlAs	640	red diffused	*380	*450	30°	
L-793ED	GaAsP/GaP	625	orange diffused	*36	*100	30°	
L-793YD	GaAsP/GaP	588	yellow diffused	*18	*50	30°	
L-793GD	GaP	568	green diffused	*18	*60	30°	
L-813ID	GaAsP/GaP	625	red diffused	*36	*100	30°	10mm Round  
L-813SRC-D	GaAlAs	640	water clear	*1500	*1700	15°	
L-813SRD-C	GaAlAs	640	red diffused	*180	*250	30°	
L-813SRD-D	GaAlAs	640	red diffused	*280	*350	30°	
L-813SRD-E	GaAlAs	640	red diffused	*380	*450	30°	
L-813ED	GaAsP/GaP	625	orange diffused	*36	*100	30°	
L-813YD	GaAsP/GaP	588	yellow diffused	*10	*50	30°	
L-813GD	GaP	568	green diffused	*18	*60	30°	
DLA/6ID	GaAsP/GaP	625	red diffused	12	50	120°	
DLC/6ID	GaAsP/GaP	625	red diffused	12	50	120°	
DLA/6SRD	GaAlAs	640	red diffused	*110	*400	120°	
DLC/6SRD	GaAlAs	640	red diffused	*110	*400	120°	
DLA/6YD	GaAsP/GaP	588	yellow diffused	12	50	120°	
DLC/6YD	GaAsP/GaP	588	yellow diffused	12	50	120°	
DLA/6GD	GaP	568	green diffused	18	80	120°	
DLC/6GD	GaP	568	green diffused	18	80	120°	
DLA/6SGD	GaP	568	green diffused	*70	*200	120°	
DLC/6SGD	GaP	568	green diffused	*70	*200	120°	

OVAL LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
L-5603SIDL/SD-H	AlGaInP	630	red semi diffused	650	2500	100°(H) 50°(V)	5.2mm Oval  
L-5603SYDL/SD-H	AlGaInP	589	yellow semi diffused	380	750	100°(H) 50°(V)	
L-5603ZGDL/SD-E	InGaN	525	green semi diffused	1800	3100	100°(H) 50°(V)	
L-5603ZGDL/SD-G	InGaN	525	green semi diffused	2200	3500	100°(H) 50°(V)	
L-5603QBDL/SD-F	InGaN	465	blue semi diffused	380	1300	100°(H) 50°(V)	
L-5603QBDL/SD-G	InGaN	465	blue semi diffused	480	1500	100°(H) 50°(V)	

NOTES:

- All dimensions are in millimeters (inches).
- Tolerance is $\pm 0.25\text{mm}$ (0.01") unless otherwise noted.

FLAT TOP LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA		VIEWING ANGLE	DIMENSION
				MIN.	TYP.		
L-1394HDT	GaP	660	red diffused	0.4	1	120°	2mm Flat Top
L-1394IDT	GaAsP/GaP	625	red diffused	5	8	120°	
L-1394YDT	GaAsP/GaP	588	yellow diffused	1.8	5	120°	
L-1394GDT	GaP	568	green diffused	3	5	120°	
L-1034HDT	GaP	660	red diffused	0.4	1	70°	2mm Flat Top
L-1034IDT	GaAsP/GaP	625	red diffused	3	8	70°	
L-1034YDT	GaAsP/GaP	588	yellow diffused	1.8	5	70°	
L-1034GDT	GaP	568	green diffused	1.8	6	70°	
L-13HD	GaP	660	red diffused	0.4	1.5	70°	2mm Flat Top
L-13ID	GaAsP/GaP	625	red diffused	5	10	70°	
L-13YD	GaAsP/GaP	588	yellow diffused	3	8	70°	
L-13GD	GaP	568	green diffused	3	10	70°	


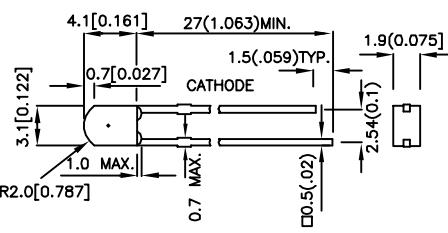
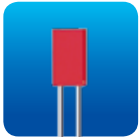
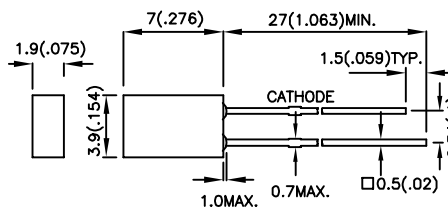

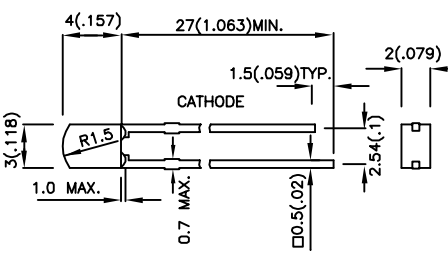

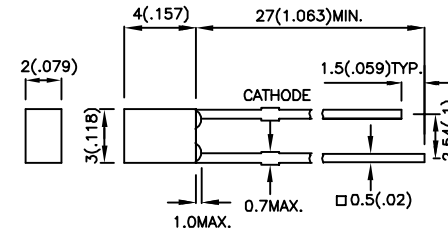
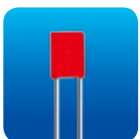
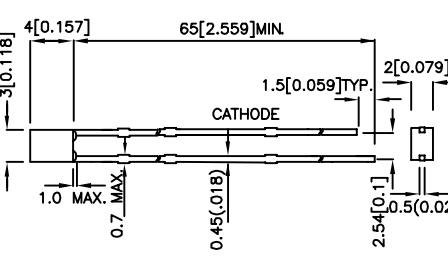
RECTANGULAR LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA		VIEWING ANGLE	DIMENSION
				MIN.	TYP.		
L-2774HD	GaP	660	red diffused	0.3	0.9	70°	1.75mm x 3.9mm Rectangular
L-2774ID	GaAsP/GaP	625	red diffused	3	12	70°	
L-2774ED	GaAsP/GaP	625	orange diffused	3	15	70°	
L-2774ND	GaAsP/GaP	610	orange diffused	3	13	70°	
L-2774YD	GaAsP/GaP	588	yellow diffused	1.8	7	70°	
L-2774GD	GaP	568	green diffused	1.8	9	70°	

NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.01\text{'})$ unless otherwise noted.

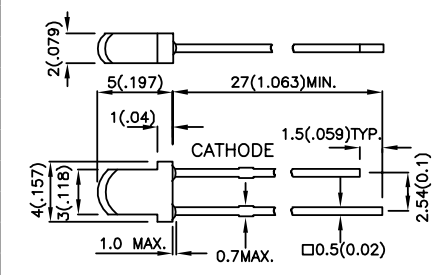
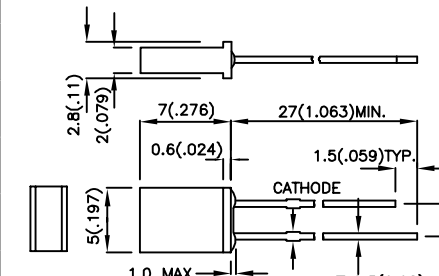
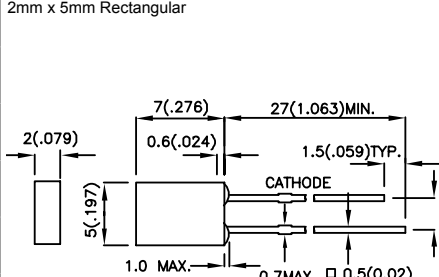
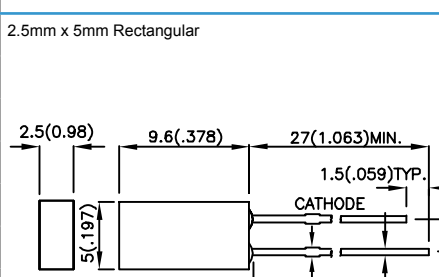
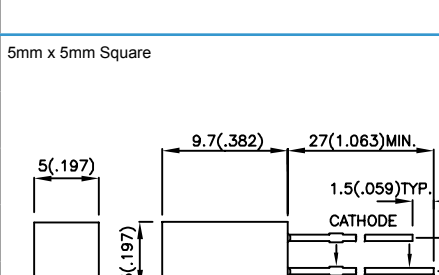
RECTANGULAR LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
L-292XIT	GaAsP/GaP	625	red transparent	5	14	90°	1.9mm x 3.1mm Rectangular  
L-292XYD	GaAsP/GaP	588	yellow diffused	1.8	8	110°	
L-292XYT	GaAsP/GaP	588	yellow transparent	1.8	9	90°	
L-292XGD	GaP	568	green diffused	5	12	110°	
L-292XGT	GaP	568	green transparent	5	14	90°	
L-144HDT	GaP	660	red diffused	0.4	1	110°	1.9mm x 3.9mm Rectangular  
L-144IDT	GaAsP/GaP	625	red diffused	3	6	110°	
L-144EDT	GaAsP/GaP	625	orange diffused	3	6	110°	
L-144SRDT	GaAlAs	640	red diffused	*36	*70	110°	
L-144YDT	GaAsP/GaP	588	yellow diffused	1	3	110°	
L-144GDT	GaP	568	green diffused	1	4	110°	
L-2914ID	GaAsP/GaP	625	red diffused	3	10	50°	2mm x 3mm Rectangular  
L-2914YD	GaAsP/GaP	588	yellow diffused	5	13	50°	
L-2914GD	GaP	568	green diffused	5	15	50°	
L-914HDT	GaP	660	red diffused	0.2	1	100°	2mm x 3mm Rectangular  
L-914HT	GaP	660	red transparent	0.4	1	90°	
L-914IDT	GaAsP/GaP	625	red diffused	1.8	8	100°	
L-914IT	GaAsP/GaP	625	red transparent	3	8	90°	
L-914EDT	GaAsP/GaP	625	orange diffused	1.8	8	100°	
L-914ET	GaAsP/GaP	625	orange transparent	3	8	90°	
L-914ADT	GaAsP/GaP	588	amber diffused	1.8	5	100°	
L-914AT	GaAsP/GaP	588	amber transparent	1.8	7	90°	
L-914GDT	GaP	568	green diffused	1.8	6	100°	
L-914GT	GaP	568	green transparent	3	8	90°	
L-914PGT	GaP	555	green transparent	0.4	1	90°	
L-91A7IDT	GaAsP/GaP	625	red diffused	3	8	60°	2mm x 3mm Rectangular  
L-91A7YDT	GaAsP/GaP	588	yellow diffused	1	3.5	60°	
L-91A7GDT	GaP	568	green diffused	3	7	60°	

NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.01")$ unless otherwise noted.

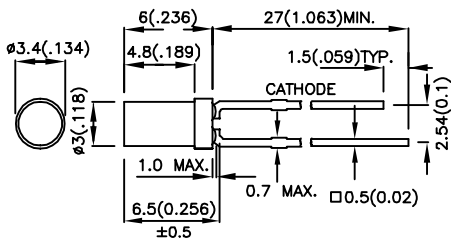
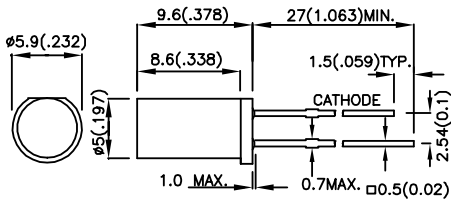
RECTANGULAR LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE	DIMENSION
				MIN.	TYP.		
L-169XHD	GaP	660	red diffused	1	3	60°	2mm x 3mm Rectangular 
L-169XHT	GaP	660	red transparent	1.8	5	50°	
L-169XID	GaAsP/GaP	625	red diffused	8	15	60°	
L-169XIT	GaAsP/GaP	625	red transparent	12	30	50°	
L-169XYD	GaAsP/GaP	588	yellow diffused	5	10	60°	
L-169XYT	GaAsP/GaP	588	yellow transparent	5	15	50°	
L-169XAT	GaAsP/GaP	588	amber transparent	5	15	50°	
L-169XGD	GaP	568	green diffused	5	15	60°	
L-169XGT	GaP	568	green transparent	5	20	50°	
L-169XPGD	GaP	555	green diffused	1.8	5	60°	
L-169XPGTL	GaP	555	green transparent	3	8	50°	
L-103HDT	GaP	660	red diffused	0.4	1	110°	2mm x 5mm Rectangular 
L-103IDT	GaAsP/GaP	625	red diffused	1.8	5	110°	
L-103SRDT	GaAlAs	640	red diffused	*36	*80	110°	
L-103EDT	GaAsP/GaP	625	orange diffused	1.8	5	110°	
L-103YDT	GaAsP/GaP	588	yellow diffused	1	4	110°	
L-103GDT	GaP	568	green diffused	1.8	5	110°	
L-113HDT	GaP	660	red diffused	0.4	1	110°	2mm x 5mm Rectangular 
L-113IDT	GaAsP/GaP	625	red diffused	3	5	110°	
L-113SRDT	GaAlAs	640	red diffused	*36	*80	110°	
L-113EDT	GaAsP/GaP	625	orange diffused	3	5	110°	
L-113YDT	GaAsP/GaP	588	yellow diffused	1	4	110°	
L-113GDT	GaP	568	green diffused	1.8	5	110°	
L-383HDT	GaP	660	red diffused	0.4	1	110°	2.5mm x 5mm Rectangular 
L-383IDT	GaAsP/GaP	625	red diffused	3	5	110°	
L-383SRDT	GaAlAs	640	red diffused	*36	*70	110°	
L-383EDT	GaAsP/GaP	625	orange diffused	3	5	110°	
L-383SRWT	GaAlAs	640	white diffused	*36	*70	110°	
L-383YDT	GaAsP/GaP	588	yellow diffused	1	4	110°	
L-383GDT	GaP	568	green diffused	1	4	110°	
L-383SGWT	GaP	568	white diffused	*7	*15	110°	
L-1553HDT	GaP	660	red diffused	0.4	1	110°	5mm x 5mm Square 
L-1553IDT	GaAsP/GaP	625	red diffused	3	8	110°	
L-1553SRDT	GaAlAs	640	red diffused	*36	*80	110°	
L-1553EDT	GaAsP/GaP	625	orange diffused	3	8	110°	
L-1553YDT	GaAsP/GaP	588	yellow diffused	1	5	110°	
L-1553GDT	GaP	568	green diffused	1	5	110°	

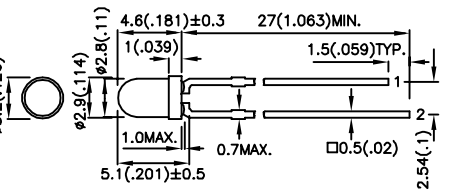
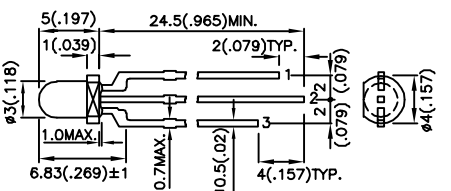
NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.01\text{'})$ unless otherwise noted.

CYLINDRICAL LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
L-424HDT	GaP	660	red diffused	0.4	1	100°	T-1 (3mm) Cylindrical 
L-424IDT	GaAsP/GaP	625	red diffused	3	5	100°	
L-424SRDT	GaAlAs	640	red diffused	*36	*100	100°	
L-424EDT	GaAsP/GaP	625	orange diffused	3	5	100°	
L-424YDT	GaAsP/GaP	588	yellow diffused	1	4	100°	
L-424GDT	GaP	568	green diffused	1	4	100°	
L-483HDT	GaP	660	red diffused	0.4	1	100°	T-1 3/4 (5mm) Cylindrical 
L-483IDT	GaAsP/GaP	625	red diffused	1.8	5	100°	
L-483EDT	GaAsP/GaP	625	orange diffused	3	7	100°	
L-483YDT	GaAsP/GaP	588	yellow diffused	0.7	3	100°	
L-483GDT	GaP	568	green diffused	1	4	100°	

MULTI-COLOR LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
L-937IID	GaAsP/GaP	625	red diffused	7	20	60°	T-1 (3mm) Round 
	GaAsP/GaP	625					
L-937YYD	GaAsP/GaP	588	yellow diffused	4	10	60°	
	GaAsP/GaP	588					
L-937GGD	GaP	568	green diffused	4	15	60°	
	GaP	568					
L-937EGW	GaAsP/GaP	625	white diffused	7	20	60°	
	GaP	568					
L-937EYW	GaAsP/GaP	625	white diffused	7	20	60°	
	GaAsP/GaP	588					
L-937GYW	GaP	568	white diffused	7	16	60°	
	GaAsP/GaP	588					
L-115VEGW	GaAsP/GaP	625	white diffused	10	50	60°	T-1 (3mm) Round 
	GaP	568					
L-115VEYW	GaAsP/GaP	625	white diffused	10	50	60°	
	GaAsP/GaP	588					
L-115VGYW	GaP	568	white diffused	10	30	60°	
	GaAsP/GaP	588					

NOTES:

- All dimensions are in millimeters (inches).
- Tolerance is $\pm 0.25\text{mm}$ ($0.01''$) unless otherwise noted.

MULTI-COLOR LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE	DIMENSION		
				MIN.	TYP.				
L-115WEGW	GaAsP/GaP	625	white diffused	10	40	60°	<p>T-1 (3mm) Round</p> <p>Photograph: L-115W</p> <p>Pinout diagrams: 1 E, 2 G, 3 G 1 E, 2 Y, 3 Y 1 G, 2 Y, 3 Y</p>		
	GaP	568		10	35				
L-115WEYW	GaAsP/GaP	625	white diffused	10	40	60°			
	GaAsP/GaP	588		7	20				
L-115WGYW	GaP	568	white diffused	10	35	60°			
	GaAsP/GaP	588		7	20				
L-3VEGW	GaAsP/GaP	625	white diffused	10	40	60°		<p>T-1 (3mm) Round</p> <p>Photograph: L-3V</p> <p>Pinout diagrams: 1 E, 2 G, 3 G 1 E, 2 Y, 3 Y 1 G, 2 Y, 3 Y</p>	
	GaP	568		10	35				
L-3VEYW	GaAsP/GaP	625	white diffused	10	40	60°			
	GaAsP/GaP	588		7	15				
L-3VGYW	GaP	568	white diffused	10	35	60°			
	GaAsP/GaP	588		7	15				
L-7113SRSGW	GaAlAs	640	white diffused	110	200	35°	<p>T-1 3/4 (5mm) Round</p> <p>Photograph: L-7113SRSG</p> <p>Pinout diagram: 1 SR, 2 SG, 3</p>		
	GaP	568		18	60				
L-57IID	GaAsP/GaP	625	red diffused	7	20	60°			<p>T-1 3/4 (5mm) Round</p> <p>Photograph: L-57</p> <p>Pinout diagrams: 1 I, 2 Y, 3 Y 1 Y, 2 Y, 3 G 1 G, 2 V, 3 G 1 SR, 2 VS, 3 E 1 V, 2 G, 3 E 1 Y, 2 Y, 3 G 1 Y, 2 G, 3 A 1 Y, 2 G, 3 Y</p>
	GaAsP/GaP	625		7	20				
L-57YYD	GaAsP/GaP	588	yellow diffused	4	10	60°			
	GaAsP/GaP	588		4	10				
L-57GGD	GaP	568	green diffused	4	10	60°			
	GaP	568		4	10				
L-57SRSRD	GaAlAs	640	red diffused	70	150	60°			
	GaAlAs	640		70	150				
L-57EGW	GaAsP/GaP	625	white diffused	10	30	60°			
	GaP	568		10	20				
L-57EYW	GaAsP/GaP	625	white diffused	10	30	60°			
	GaAsP/GaP	588		4	10				
L-57GYW	GaP	568	white diffused	10	20	60°			
	GaAsP/GaP	588		4	10				

NOTES:
 1. All dimensions are in millimeters(inches).
 2. Tolerance is ±0.25mm(0.01") unless otherwise noted.

MULTI-COLOR LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION	
				MIN.	TYP.			
L-59EGW	GaAsP/GaP	625	white diffused	18	60	60°	<p>T-1 3/4 (5mm) Round</p>	
	GaP	568		18	50			
L-59EGW-CA	GaAsP/GaP	625	white diffused	2.6	5	60°		
	GaP	568		1.6	5			
L-59EYW	GaAsP/GaP	625	white diffused	18	60	60°		
	GaAsP/GaP	588		18	40			
L-59GYW	GaP	568	white diffused	18	50	60°		
	GaAsP/GaP	588		18	40			
L-59SRSGW-CC	GaAlAs	640	white diffused	110	220	60°		
	GaP	568		18	50			
L-59SURKMGKW	AlGaInP	630	white diffused	280	700	60°		
	AlGaInP	570		50	170			
L-59EGC	GaAsP/GaP	625	water clear	70	150	24°		
	GaP	568		70	150			
L-59EYC	GaAsP/GaP	625	water clear	70	150	24°		
	GaAsP/GaP	588		18	60			
L-59GYC	GaP	568	water clear	70	150	24°		
	GaAsP/GaP	588		18	60			
L-59SRSGC-CC	GaAlAs	640	water clear	280	600	24°		
	GaP	568		70	200			
L-59SURKSGC	AlGaInP	630	water clear	900	2800	24°		
	GaP	568		70	200			
L-154A4SURKQBDZGC	AlGaInP	630	water clear	380	700	50°	<p>T-1 3/4 (5mm) Full color</p>	
	InGaN	470		480	1000			
	InGaN	525		480	1300			
L-154A4SURKQBDZGW	AlGaInP	630	white diffused	280	500	60°		
	InGaN	470		110	350			
	InGaN	525		280	750			
L-154A4SUREQBFZGEC	AlGaInP	630	water clear	650	1200	50°		
	InGaN	465		1200	1700			
	InGaN	525		2800	3800			
L-154A4SUREQBFZGEW	AlGaInP	630	white diffused	380	750	60°		
	InGaN	465		280	420			
	InGaN	525		900	1700			
L-799EGW	GaAsP/GaP	625	white diffused	36	80	50°	<p>8mm Round</p>	
	GaP	568		18	50			
L-799SRSGW-CC	GaAlAs	640	white diffused	110	200	50°		
	GaP	568		18	50			
L-799SURKMGKW	AlGaInP	630	white diffused	380	600	50°		
	AlGaInP	570		50	130			
L-819IID	GaAsP/GaP	625	red diffused	36	80	50°		<p>10mm Round</p>
GaAsP/GaP	625	36	80					
L-819YYD	GaAsP/GaP	588	yellow diffused	10	30	50°		
	GaAsP/GaP	588		10	30			
L-819GGD	GaP	568	green diffused	10	40	50°		
	GaP	568		10	40			
L-819EGW	GaAsP/GaP	625	white diffused	36	80	50°		
	GaP	568		18	50			
L-819SRSGW-CC	GaAlAs	640	white diffused	110	300	50°		
	GaP	568		36	50			
L-819SURKMGKW	AlGaInP	630	white diffused	380	750	50°		
	AlGaInP	570		50	130			

NOTES:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ ($0.01''$) unless otherwise noted.

MULTI-COLOR LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE	DIMENSION
				MIN.	TYP.		
L-283A9NGWT/TG	GaAsP/GaP	610	white diffused	2.6	15	120°	1.75mm x 3.5mm Rectangular
	GaP	568		4	10		
L-91A6GNWT	GaP	568	white diffused	1.6	4	110°	2mm x 3mm Rectangular
	GaAsP/GaP	610		4	10		
L-91A6YGWT	GaAsP/GaP	588	white diffused	1.6	4	110°	2mm x 3mm Rectangular
	GaP	568		1.6	4		
L-113SRSGWT	GaAlAs	640	white diffused	36	70	110°	2mm x 5mm Rectangular
	GaP	568		7	10		
L-117EGWT	GaAsP/GaP	625	white diffused	4	10	110°	2mm x 5mm Rectangular
	GaP	568		4	8		
L-117EYWT	GaAsP/GaP	625	white diffused	4	10	110°	2mm x 5mm Rectangular
	GaAsP/GaP	588		2.6	6		
L-117GYWT	GaP	568	white diffused	4	8	110°	2mm x 5mm Rectangular
	GaAsP/GaP	588		2.6	6		

NOTES:
 1. All dimensions are in millimeters(inches).
 2. Tolerance is $\pm 0.25\text{mm}(0.01\text{'})$ unless otherwise noted.

MULTI-COLOR LED

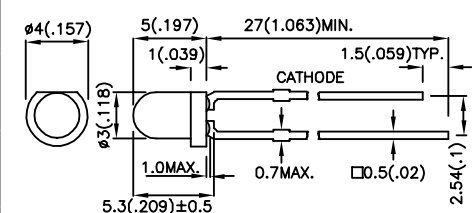
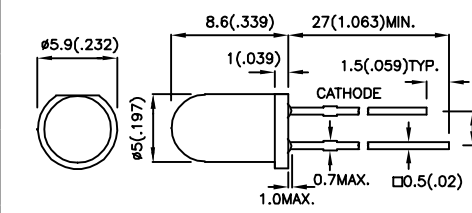
PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
L-119EGWT	GaAsP/GaP	625	white diffused	7	20	110°	2mm x 5mm Rectangular
	GaP	568		4	12		
L-119SRSGWT-CC	GaAlAs	640	white diffused	18	60	110°	
	GaP	568		4	12		
L-119SURKMGKWT	AlGaInP	630	white diffused	70	170	110°	
	AlGaInP	570		10	30		
L-483SRSGWT	GaAlAs	640	white diffused	18	50	80°	T-1 3/4 (5mm) Cylindrical
	GaP	568		4	10		

LOW CURRENT LED

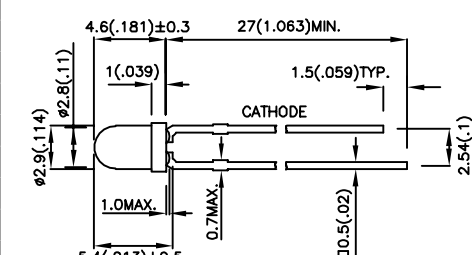
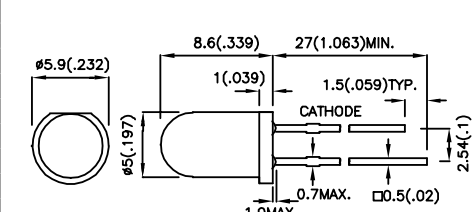
PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @2mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
L-7104LID	GaAsP/GaP	625	red diffused	0.7	3	40°	T-1 (3mm) Round
L-7104LSRD	GaAlAs	640	red diffused	8	20	40°	
L-7104LYD	GaAsP/GaP	588	yellow diffused	0.7	1.5	40°	
L-7104LGD	GaP	568	green diffused	0.7	2	40°	
L-7113LID	GaAsP/GaP	625	red diffused	0.7	5	30°	T-1 3/4 (5mm) Round
L-7113LSRD	GaAlAs	640	red diffused	8	20	30°	
L-7113LYD	GaAsP/GaP	588	yellow diffused	0.7	2	30°	
L-7113LGD	GaP	568	green diffused	0.7	2	30°	

NOTES:
 1. All dimensions are in millimeters (inches).
 2. Tolerance is ±0.25mm (0.01") unless otherwise noted.

BLINKING LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) V=9V		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
L-36BHD	GaP	660	red diffused	1	2	60°	T-1 (3mm) Round  L-36B
L-36BID	GaAsP/GaP	625	red diffused	12	20	60°	
L-36BSRD-B	GaAlAs	640	red diffused	110	200	60°	
L-36BYD	GaAsP/GaP	588	yellow diffused	5	10	60°	
L-36BGD	GaP	568	green diffused	5	15	60°	
L-56BHD	GaP	660	red diffused	0.7	4	60°	T-1 3/4 (5mm) Round  L-56B
L-56BID	GaAsP/GaP	625	red diffused	18	40	60°	
L-56BSRD-B	GaAlAs	640	red diffused	110	200	60°	
L-56BYD	GaAsP/GaP	588	yellow diffused	5	20	60°	
L-56BGD	GaP	568	green diffused	5	20	60°	

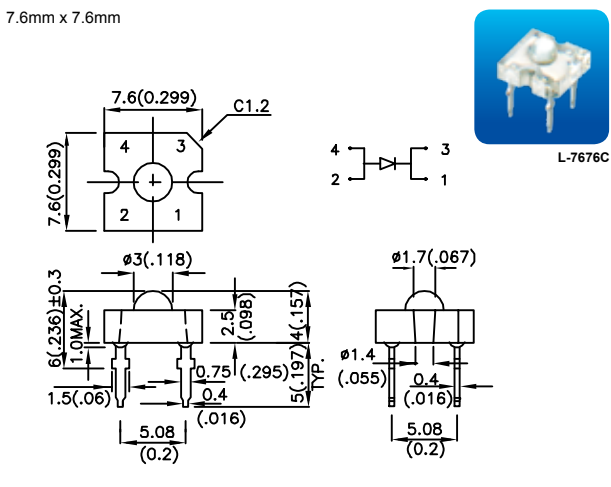
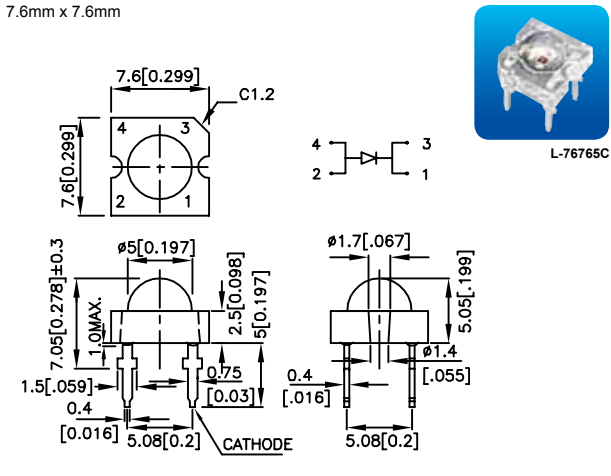
RESISTOR LED

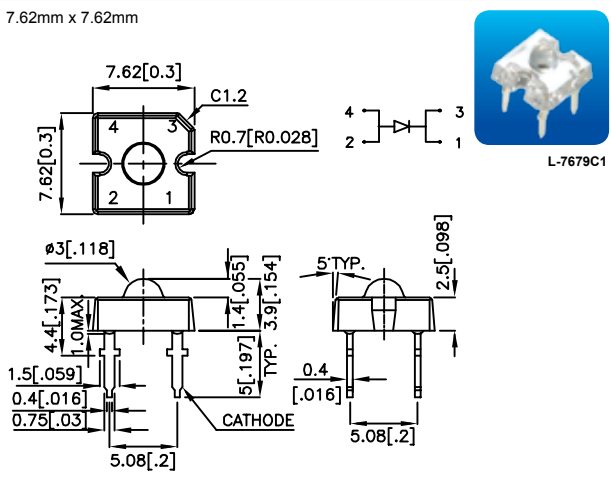
PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) V=5V *V=12V **V=14V		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
L-7104ID-5V	GaAsP/GaP	625	red diffused	8	20	40°	T-1 (3mm) Round  L-7104
L-7104ID-12V	GaAsP/GaP	625	red diffused	*8	*20	40°	
L-7104ID-14V	GaAsP/GaP	625	red diffused	**8	**20	40°	
L-7104SRD-5V	GaAlAs	640	red diffused	70	150	40°	
L-7104SRD-12V	GaAlAs	640	red diffused	*40	*100	40°	
L-7104SRD-14V	GaAlAs	640	red diffused	**28	**90	40°	
L-7104YD-5V	GaAsP/GaP	588	yellow diffused	8	15	40°	
L-7104YD-12V	GaAsP/GaP	588	yellow diffused	*3	*11	40°	
L-7104YD-14V	GaAsP/GaP	588	yellow diffused	**3	**11	40°	
L-7104GD-5V	GaP	568	green diffused	8	20	40°	
L-7104GD-12V	GaP	568	green diffused	*8	*20	40°	
L-7104GD-14V	GaP	568	green diffused	**8	**20	40°	
L-7113ID-5V	GaAsP/GaP	625	red diffused	12	30	30°	T-1 3/4 (5mm) Round  L-7113
L-7113ID-12V	GaAsP/GaP	625	red diffused	*12	*30	30°	
L-7113ID-14V	GaAsP/GaP	625	red diffused	**12	**30	30°	
L-7113SRD-5V	GaAlAs	640	red diffused	110	180	30°	
L-7113SRD-12V	GaAlAs	640	red diffused	*110	*180	30°	
L-7113SRD-14V	GaAlAs	640	red diffused	**70	**160	30°	
L-7113YD-5V	GaAsP/GaP	588	yellow diffused	5	20	30°	
L-7113YD-12V	GaAsP/GaP	588	yellow diffused	*5	*20	30°	
L-7113YD-14V	GaAsP/GaP	588	yellow diffused	**5	**16	30°	
L-7113GD-5V	GaP	568	green diffused	8	20	30°	
L-7113GD-12V	GaP	568	green diffused	*8	*20	30°	
L-7113GD-14V	GaP	568	green diffused	**5	**18	30°	
L-7113SGD-5V	GaP	568	green diffused	8	20	30°	
L-7113SGD-12V	GaP	568	green diffused	*8	*20	30°	
L-7113SGD-14V	GaP	568	green diffused	**5	**18	30°	

NOTES:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ (0.01") unless otherwise noted.

SUPER FLUX LED

PART NUMBER	MATERIAL	λD (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE 2θ1/2	DIMENSION
				MIN.	TYP.		
L-7676CSURC-G	AlGaInP	630	water clear	380	750	70°	7.6mm x 7.6mm 
L-7676CSEC-H	AlGaInP	630	water clear	480	1300	70°	
L-7676CSYC-H	AlGaInP	589	water clear	280	450	70°	
L-7676CZGC-E	InGaN	525	water clear	900	2000	70°	
L-7676CZGC-G	InGaN	525	water clear	1200	2200	70°	
L-7676CQBC-G	InGaN	465	water clear	380	780	70°	
L-7676CSURC-G	AlGaInP	630	water clear	180	650	70°	7.6mm x 7.6mm 
L-7676CSEC-H	AlGaInP	630	water clear	650	1800	70°	
L-7676CSYC-H	AlGaInP	589	water clear	110	400	70°	
L-7676CZGC-E	InGaN	525	water clear	650	1600	70°	
L-7676CZGC-G	InGaN	525	water clear	900	1800	70°	
L-7676CQBC-G	InGaN	465	water clear	280	620	70°	

PART NUMBER	MATERIAL	λD (nm)	LENS TYPE	Iv (mcd) @70mA *30mA		VIEWING ANGLE 2θ1/2	DIMENSION
				MIN.	TYP.		
L-7679C1SURC-G	AlGaInP	630	water clear	1800	3000	70°	7.62mm x 7.62mm 
L-7679C1SEC-H	AlGaInP	630	water clear	6500	8000	70°	
L-7679C1SYC-H	AlGaInP	589	water clear	1200	4000	70°	
L-7679C1ZGC	InGaN	525	water clear	*1200	*2500	70°	
L-7679C1QBC-D	InGaN	470	water clear	*380	*700	70°	

NOTES:
 1. All dimensions are in millimeters(inches).
 2. Tolerance is ±0.25mm(0.01") unless otherwise noted.

SIDE VIEW

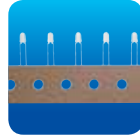
PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE	DIMENSION
				MIN.	TYP.		
KA-9219/2EC	GaAsP/GaP	625	water clear	18	50	100°	<p>9.2mm x 1.9mm</p> <p>KA-9219/2</p>
KA-9219/2SRC	GaAlAs	640	water clear	70	200	100°	
KA-9219/2YC	GaAsP/GaP	588	water clear	10	20	100°	
KA-9219/2SGC	GaP	568	water clear	7	40	100°	
KA-1114/2EC-CC-L5	GaAsP/GaP	625	water clear	4	9	120°	<p>11mm x 1.4mm</p> <p>KA-1114/2-CC-L5</p>
KA-1114/2YC-CC-L5	GaAsP/GaP	588	water clear	4	10	120°	
KA-1114/2SYC-CC-L5	AlGaInP	590	water clear	50	100	120°	
KA-1114/2SGC-CC-L5	GaP	568	water clear	7	16	120°	
KA-1114/2QBC-D-CC-L5	InGaN	470	water clear	70	130	120°	

NOTES:

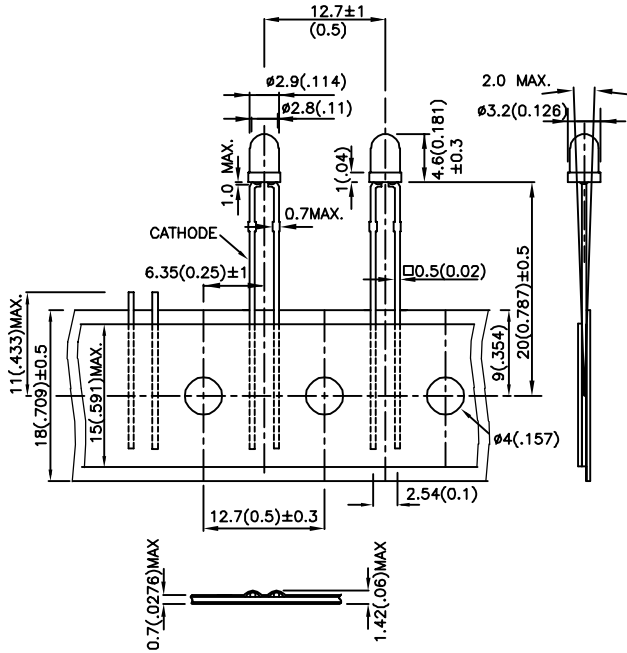
1. All dimensions are in millimeters(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.01\text{'})$ unless otherwise noted.

TAPE AND REEL SELECTIONS

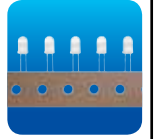
L-7104-TNR2.54



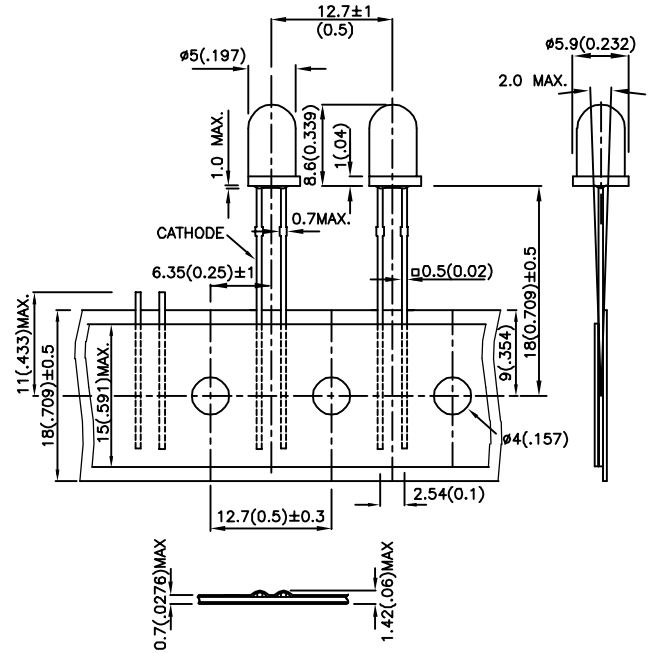
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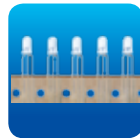
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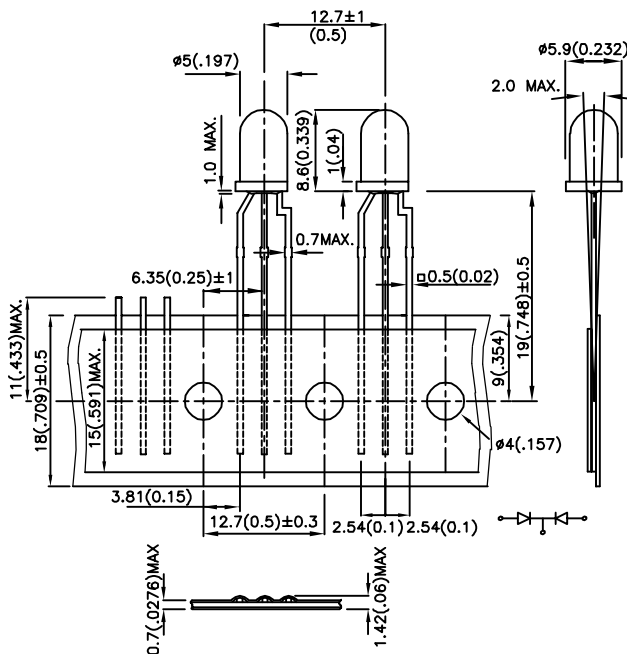
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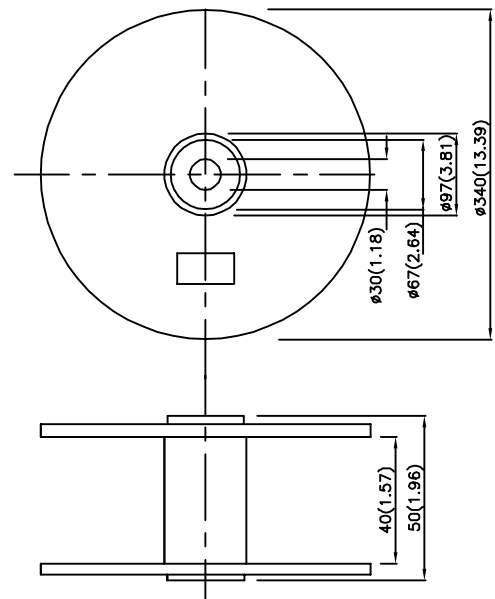
L-59-TNR2.54



L-59-TNR2.54



REEL DIMENSION



NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.