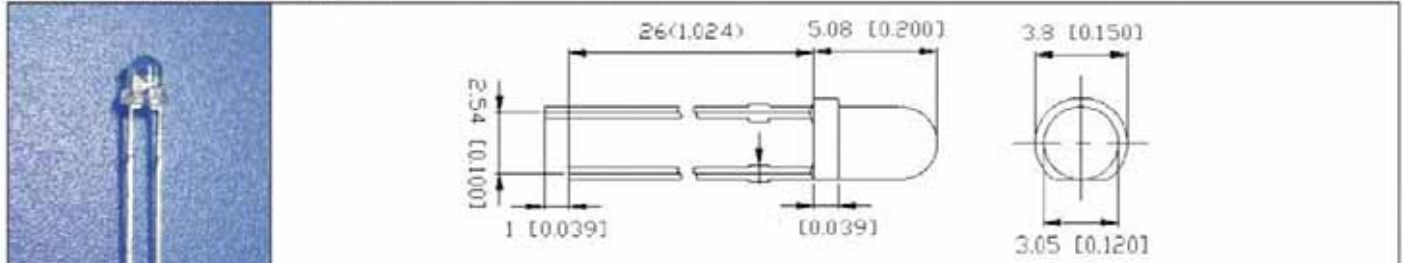


Part Number LL-XXXX	Chip			Lens Color	Vf(V)		Iv (mcd)			Viewing Angle 2 θ 1/2
	Material	Emitted Color	W/L (nm)		Typ	Max	IF=mA	Min	Typ	

3mm Round Standard LED, T-1

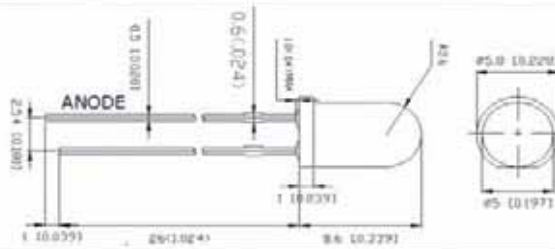


304VC4B-V1-2BD	AllnGaP	Hyper Red	624	Water Clear	2.0	2.4	20	460	780	35
304VC4B-V1-3BD	AllnGaP	Hyper Red	624		2.0	2.4		780	1300	
304VC4B-V1-4ID	AllnGaP	Hyper Red	624		2.0	2.4		1000	1700	
304VC4B-V1-TSD	AllnGaP	Hyper Red	624		2.0	2.6		780	1300	
304BGC4B-G3-1BD	InGaN	Bluish Green	505		3.3	3.8		3800	6500	30
304BGC4B-G3-3FD	InGaN	Bluish Green	505		3.3	3.8		5000	8500	
304BGC4B-G3-3BD	InGaN/Sic	Bluish Green	505		3.3	3.8		1700	2900	
304PGC4B-G5-2CD	InGaN	Pure Green	525		3.3	3.8		3800	6500	
304PGC4B-G5-3GD	InGaN	Pure Green	525		3.3	3.8		5000	8500	35
304PGC4B-G5-3BD	InGaN/Sic	Pure Green	525		3.3	3.8		2900	3800	
304UYC4B-Y2-2BD	AllnGaP	Super Yellow	590		2.0	2.4		780	1300	
304UYC4B-Y2-3AD	AllnGaP	Super Yellow	590		2.0	2.4		1000	1700	
304UYC4B-Y2-4GD	AllnGaP	Super Yellow	590		2.0	2.4		1300	2200	35
304UYC4B-Y2-TSD	AllnGaP	Super Yellow	590		2.0	2.4		1000	1700	
304UAC4B-1AD	AllnGaP	Super Yellow Orange	605		2.0	2.4		460	780	
304UAC4B-2AD	AllnGaP	Super Yellow Orange	605		2.0	2.4		780	1300	30
304UAC4B-3AD	AllnGaP	Super Yellow Orange	605		2.0	2.4		1000	1700	
304BC4B-B4-1GD	InGaN	Blue	470		3.3	3.8		1300	2200	
304BC4B-B4-2GD	InGaN	Blue	470		3.3	3.8		2200	3800	30
304BC4B-B4-3BD	InGaN/Sic	Blue	470		3.3	3.8		780	1300	

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

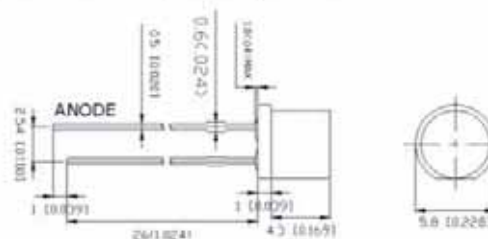
Part Number LL-XXXX	Chip Material	Emitted Color	Chromaticity Coordinate(Typ)		Lens Color	Vf(V)		Iv (mcd)			Viewing Angle 2θ 1/2
			X	Y		Typ	Max	IF=mA	Min	Typ	

5mm Round Standard White LED, T-1



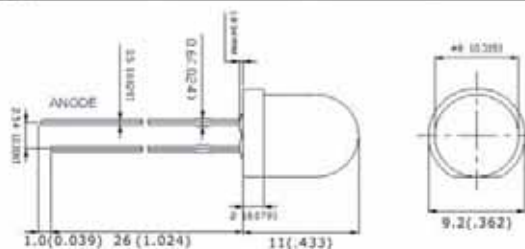
504WC2E-W2-1SC	InGaN	Pure White	0.30	0.31	Water Clear	3.3	3.8	20	14000	23000	15
504WC2E-W2-3TC	InGaN		0.30	0.31		3.3	3.8		18000	25000	
504WC2V-W2-1QD	InGaN		0.30	0.31		3.3	3.8		5000	8500	
504WC2V-W2-3QD	InGaN		0.30	0.31		3.3	3.8		6500	11000	
504WC2V-W6-1QD	InGaN	Warm White	0.43	0.40		3.3	3.8		3800	6500	30
504WC2V-W6-3QD	InGaN		0.43	0.40		3.3	3.8		5000	8500	

5mm Cylindrical With Flange White LED, T-1 3/4



504WC1E-W2-1J	InGaN	Pure White	0.30	0.31	Water Clear	3.3	3.8	20	780	1300	85
504WC1E-W2-3K	InGaN		0.30	0.31		3.3	3.8		1000	1700	
504WC1E-W6-1J	InGaN	Warm White	0.43	0.40		3.3	3.8		600	1000	
504WC1E-W6-3K	InGaN		0.43	0.40		3.3	3.8		780	1300	

8mm Round Standard White LED


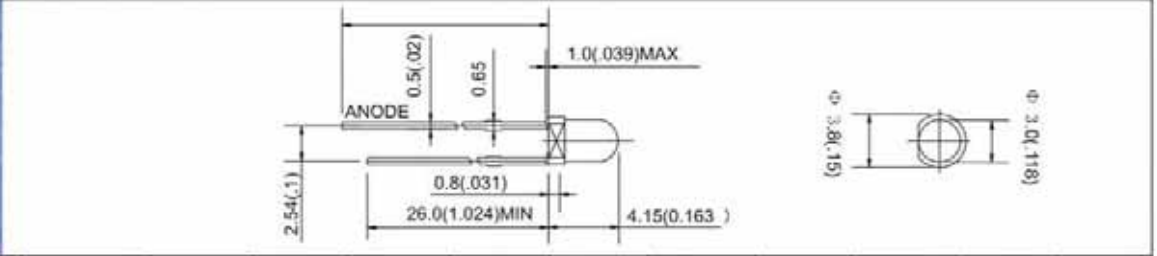


804WC2C-W2-1SD	InGaN	Pure White	0.30	0.31	Water Clear	3.4	4.0	20	6500	11000	30
804WC2C-W2-3SD	InGaN		0.30	0.31		3.4	4.0		8500	14000	
804WC2C-W6-1SD	InGaN	Warm White	0.43	0.40		3.4	4.0		6500	11000	
804WC2C-W6-3SD	InGaN		0.43	0.40		3.4	4.0		8500	14000	


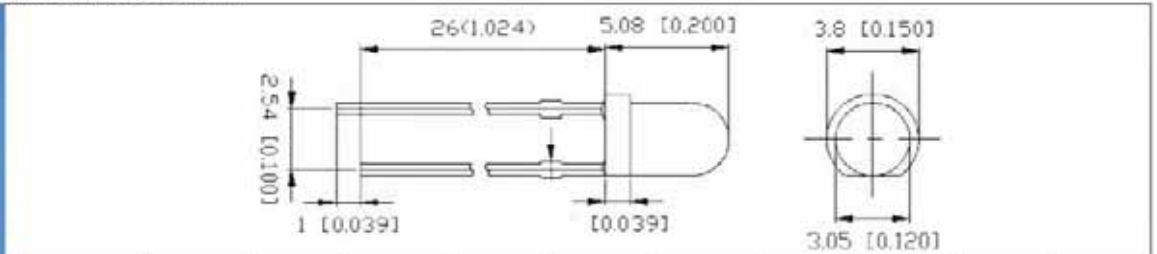
1. All dimensions are in millimeters(inches)
 2. Tolerance is ±0.25mm(0.01") unless otherwise noted

Part Number LL-XXXX	Chip Material	Emitted Color	Chromaticity Coordinate(Typ)		Lens Color	Vf(V)		Iv (mcd)			Viewing Angle 2 θ 1/2
			X	Y		Typ	Max	IF=mA	Min	Typ	


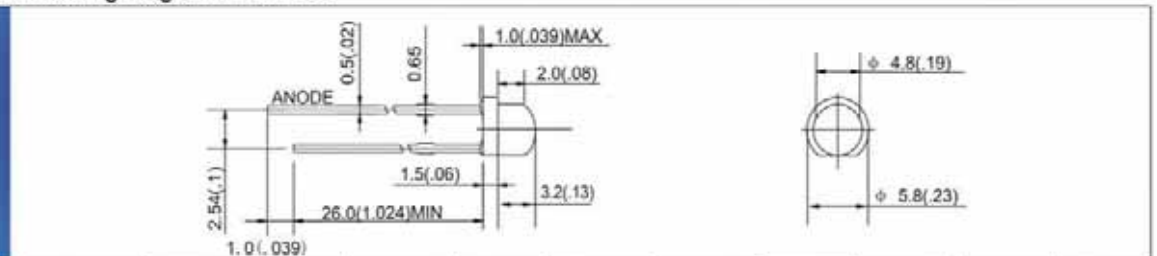
3mm Round With Flange White LED

											
	304WC2L-W2-10D	InGaN	Pure White	0.30	0.31	Water Clear	3.3	3.8	20	2700	3800
304WC2L-W2-30D	InGaN	Pure White	0.30	0.31	Water Clear	3.3	3.8	3800		5000	

3mm Round Standard White LED, T-1

											
	304WC4B-W2-1PD	InGaN	Pure White	0.30	0.31	Water Clear	3.3	3.8	20	5000	8500
304WC4B-W2-3PD	InGaN	Pure White	0.30	0.31	3.3		3.8	5000		9300	
304WC4B-W6-1PD	InGaN	Warm White	0.43	0.40	3.3		3.8	2700		3800	
304WC4B-W6-3PD	InGaN	Warm White	0.43	0.40	3.3		3.8	3800		5000	

4.8mm Round Wide Viewing Angle White LED

											
	484WC1C-W2-1J	InGaN	Pure White	0.30	0.31	Water Clear	3.3	3.8	20	780	1500
484WC1C-W2-3K	InGaN	Pure White	0.30	0.31	3.3		3.8	1000		1700	
484WC1C-W6-1J	InGaN	Warm White	0.43	0.40	3.3		3.8	600		1300	
484WC1C-W6-3K	InGaN	Warm White	0.43	0.40	3.3		3.8	780		1300	

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

LUCKY LIGHT OUTDOOR APPLICATION SUPER OVAL LAMP LED

Part Number LL-XXXX	Chip			Lens Color	Vf(V)		Iv (mcd)			Viewing Angle 2θ 1/2
	Material	Emitted Color	W/L (nm)		Typ	Max	IF=mA	Min	Typ	

43m×m Elliptical Wide Angle Standard LED

Part Number	Material	Emitted Color	W/L (nm)	Lens Color	Vf(V)		Iv (mcd)			Viewing Angle 2θ 1/2
					Typ	Max	IF=mA	Min	Typ	
434VD2J-V1-3B-T	AllnGaP	Hyper Red	624	Color Diff.	2.0	2.4	20	520	740	110/40
434VD2J-V1-4I-T	AllnGaP	Hyper Red	624		2.0	2.4		620	890	
434VD2J-V1-TS-T	AllnGaP	Hyper Red	624		2.0	2.6		620	890	
434PGD2J-G5-2C-T	InGaN	Pure Green	525		3.3	3.8		1560	2660	
434PGD2J-G5-3G-T	InGaN	Pure Green	525		3.3	3.8		1880	2660	
434PGD2J-G5-3B-T	InGaN/sic	Pure Green	525		3.3	3.8		890	1300	
434UYD2J-Y2-3A-T	AllnGaP	Super Yellow	590		2.0	2.4		520	740	
434UYD2J-Y2-4G-T	AllnGaP	Super Yellow	590		2.0	2.4		620	890	
434UYD2J-Y2-TS-T	AllnGaP	Super Yellow	590		2.0	2.4		620	890	
434BD2J-B4-1G-T	InGaN	Blue	470		3.3	3.8		430	620	
434BD2J-B4-2G-T	InGaN	Blue	470		3.3	3.8		520	740	
434BD2J-B4-3B-T	InGaN/sic	Blue	470		3.3	3.8		300	430	

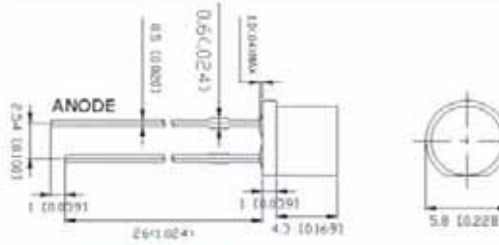
5.3×3.8mm Elliptical Wide Angle Standard LED

Part Number	Material	Emitted Color	W/L (nm)	Lens Color	Vf(V)		Iv (mcd)			Viewing Angle 2θ 1/2
					Typ	Max	IF=mA	Min	Typ	
543VD2I-V1-3B-T	AllnGaP	Hyper Red	624	Color Diff.	2.0	2.4	20	620	890	110/40
543VD2I-V1-4I-T	AllnGaP	Hyper Red	624		2.0	2.4		740	1070	
543VD2I-V1-TS-T	AllnGaP	Hyper Red	624		2.0	2.6		740	1070	
544PGD2I-G5-2C-T	InGaN	Pure Green	525		3.3	3.8		1560	2660	
544PGD2I-G5-3G-T	InGaN	Pure Green	525		3.3	3.8		1880	2660	
544PGD2I-G5-3B-T	InGaN/sic	Pure Green	525		3.3	3.8		890	1300	
543UYD2I-Y2-3A-T	AllnGaP	Super Yellow	590		2.0	2.4		620	890	
543UYD2I-Y2-4G-T	AllnGaP	Super Yellow	590		2.0	2.4		740	1070	
543UYD2I-Y2-TS-T	AllnGaP	Super Yellow	590		2.0	2.4		740	1070	
544BD2I-B4-1G-T	InGaN	Blue	470		3.3	3.8		430	620	
544BD2I-B4-2G-T	InGaN	Blue	470		3.3	3.8		520	740	
544BD2I-B4-3B-T	InGaN/sic	Blue	470		3.3	3.8		300	430	

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

Part Number LL-XXXX	Chip			Lens Color	Vf(V)		Iv (mcd)			Viewing Angle 2θ 1/2
	Material	Emitted Color	W/L (nm)		Typ	Max	IF=mA	Min	Typ	

5mm Cylindrical With Flange LED

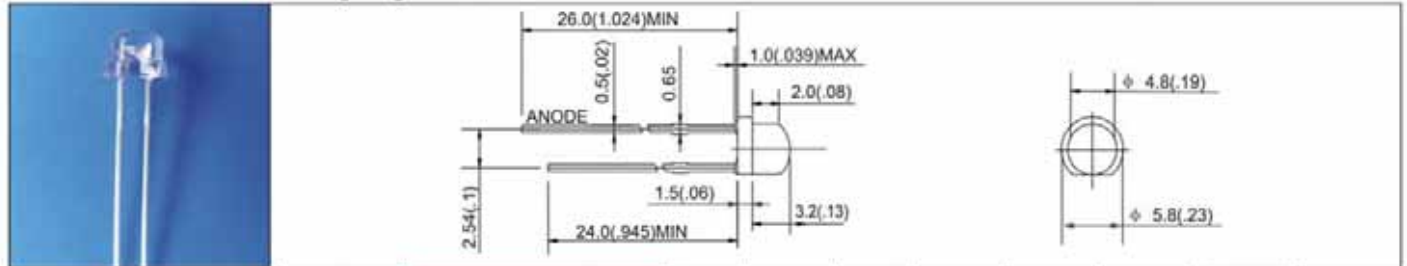


503VC1E-V1-2B	AlInGaP	Hyper Red	624	Water Clear	2.0	2.4	20	210	350	100
503VC1E-V1-3B	AlInGaP	Hyper Red	624		2.0	2.4		270	460	
503VC1E-V1-4I	AlInGaP	Hyper Red	624		2.0	2.4		460	780	
503VC1E-V1-TS	AlInGaP	Hyper Red	624		2.0	2.6		350	600	
504BGC1E-G3-1B	InGaN	Bluish Green	505		3.3	3.8		780	1300	
504BGC1E-G3-3F	InGaN	Bluish Green	505		3.3	3.8		1000	1700	
504BGC1E-G3-3B	InGaN/Sic	Bluish Green	505		3.3	3.8		460	780	
504PGC1E-G5-2C	InGaN	Pure Green	525		3.3	3.8		1000	1700	
504PGC1E-G5-3G	InGaN	Pure Green	525		3.3	3.8		1300	2200	
504PGC1E-G5-3B	InGaN/Sic	Pure Green	525		3.3	3.8		600	1000	
503UYC1E-Y2-2B	AlInGaP	Super Yellow	590		2.0	2.4		210	350	
503UYC1E-Y2-3A	AlInGaP	Super Yellow	590		2.0	2.4		270	460	
503UYC1E-Y2-4G	AlInGaP	Super Yellow	590		2.0	2.4		460	780	
503UYC1E-Y2-TS	AlInGaP	Super Yellow	590		2.0	2.4		350	600	
503UAC1E-1A	AlInGaP	Super Yellow Orange	605		2.0	2.4		120	210	
503UAC1E-2A	AlInGaP	Super Yellow Orange	605		2.0	2.4		160	270	
503UAC1E-3A	AlInGaP	Super Yellow Orange	605		2.0	2.4		210	350	
504BC1E-B4-1G	InGaN	Blue	470		3.3	3.8		270	460	
504BC1E-B4-2G	InGaN	Blue	470		3.3	3.8		460	780	
504BC1E-B4-3B	InGaN/Sic	Blue	470		3.3	3.8		160	270	

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

Part Number LL-XXXX	Chip			Lens Color	Vf(V)		Iv (mcd)			Viewing Angle 2 θ 1/2
	Material	Emitted Color	W/L (nm)		Typ	Max	IF=mA	Min	Typ	

4.8mm Round Wide Viewing Angle LED

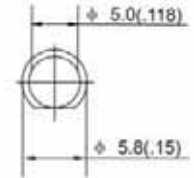
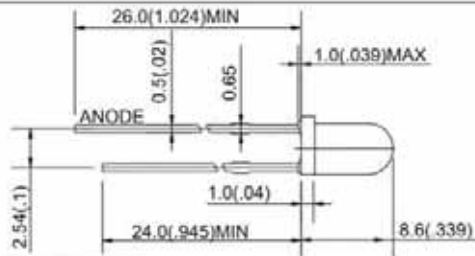


483VC1C-V1-2B	AlInGaP	Hyper Red	624	Water Clear	2.0	2.4	20	210	350	80
483VC1C-V1-3B	AlInGaP	Hyper Red	624		2.0	2.4		270	460	
483VC1C-V1-4I	AlInGaP	Hyper Red	624		2.0	2.4		460	780	
483VC1C-V1-TS	AlInGaP	Hyper Red	624		2.0	2.6		350	600	
484BGC1C-G3-1B	InGaN	Bluish Green	505		3.3	3.8		600	1000	
484BGC1C-G3-3F	InGaN	Bluish Green	505		3.3	3.8		780	1300	
484BGC1C-G3-3B	InGaN/Sic	Bluish Green	505		3.3	3.8		350	600	
484PGC1C-G5-2C	InGaN	Pure Green	525		3.3	3.8		600	1000	
484PGC1C-G5-3G	InGaN	Pure Green	525		3.3	3.8		780	1300	
484PGC1C-G5-3B	InGaN/Sic	Pure Green	525		3.3	3.8		350	600	
483UYC1C-Y2-2B	AlInGaP	Super Yellow	590		2.0	2.4		210	350	
483UYC1C-Y2-3A	AlInGaP	Super Yellow	590		2.0	2.4		270	460	
483UYC1C-Y2-4G	AlInGaP	Super Yellow	590		2.0	2.4		460	780	
483UYC1C-Y2-TS	AlInGaP	Super Yellow	590		2.0	2.4		350	600	
483UAC1C-1A	AlInGaP	Super Yellow Orange	605		2.0	2.4		90	160	
483UAC1C-2A	AlInGaP	Super Yellow Orange	605		2.0	2.4		120	210	
483UAC1C-3A	AlInGaP	Super Yellow Orange	605		2.0	2.4		160	270	
484BC1C-B4-1G	InGaN	Blue	470		3.3	3.8		270	460	
484BC1C-B4-2G	InGaN	Blue	470		3.3	3.8		350	600	
484BC1C-B4-3B	InGaN/Sic	Blue	470		3.3	3.8		160	270	

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

Part Number LL-XXXX	Chip			Lens Color	Vf(V)		Iv (mcd)			Viewing Angle 2 θ 1/2
	Material	Emitted Color	W/L (nm)		Typ	Max	IF=mA	Min	Typ	

5mm Round, T-1 3/4



503VC2V-V1-2BD	AlInGaP	Hyper Red	624	Water Clear	2.0	2.4	20	1000	1700	30
503VC2V-V1-3BD	AlInGaP	Hyper Red	624		2.0	2.4		1300	2200	
503VC2V-V1-4ID	AlInGaP	Hyper Red	624		2.0	2.4		2200	3800	
503VC2V-V1-TSD	AlInGaP	Hyper Red	624		2.0	2.6		2200	3800	
504BGC2V-G3-1BD	InGaN	Bluish Green	505		3.3	3.8		3800	6500	
504BGC2V-G3-3FD	InGaN	Bluish Green	505		3.3	3.8		5000	8500	
504BGC2V-G3-3BD	InGaN/SiC	Bluish Green	505		3.3	3.8		2900	5000	
504PGC2V-G5-2CD	InaN	Pure Green	525		3.3	3.8		5000	8500	
504PGC2V-G5-3GD	InGaN	Pure Green	525		3.3	3.8		6500	11000	
504PGC2V-G5-3BD	InGaN	Pure Green	525		3.3	3.8		2900	5000	
503UYC2V-Y2-2BD	InGaN/SiC	Super Yellow	590		2.0	2.4		1000	1700	
503UYC2V-Y2-3AD	AlInGaP	Super Yellow	590		2.0	2.4		1300	2200	
503UYC2V-Y2-4GD	AlInGaP	Super Yellow	590		2.0	2.4		2200	3800	
503UYC2V-Y2-TSD	AlIGaP	Super Yellow	590		2.0	2.4		1700	2900	
503UAC2V-1AD	AlInGaP	Super Yellow Orange	605		2.0	2.4		600	1000	
503UAC2V-2AD	AlInGaP	Super Yellow Orange	605		2.0	2.4		780	1300	
503UAC2V-3AD	AlInGaP	Super Yellow Orange	605		2.0	2.4		1000	1700	
504BC2V-B4-1GD	InGaN	Blue	470		3.3	3.8		1300	2200	
504BC2V-B4-2GD	InGaN	Blue	470		3.3	3.8		2200	3800	
504BC2V-B4-3BD	InGaN/SiC	Blue	470		3.3	3.8		780	1300	

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

Part Number LL-XXXX	Chip			Lens Color	Vf(V)		Iv (mcd)			Viewing Angle 2 θ 1/2
	Material	Emitted Color	W/L (nm)		Typ	Max	IF=mA	Min	Typ	

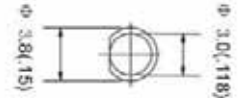
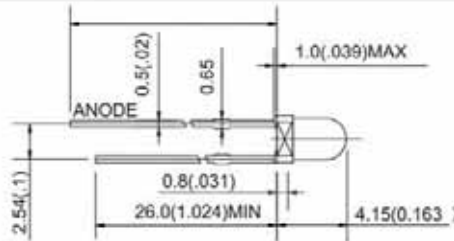
5mm Round T-1

Part Number	Material	Emitted Color	W/L (nm)	Lens Color	Vf(V)		Iv (mcd)			Viewing Angle
					Typ	Max	IF=mA	Min	Typ	
503VC2E-V1-2BC	AlInGaP	Hyper Red	624	Water Clear	2.0	2.4	20	2200	3800	15
503VC2E-V1-3BC	AlInGaP	Hyper Red	624		2.0	2.4		2900	5000	
503VC2E-V1-4IC	AlInGaP	Hyper Red	624		2.0	2.4		6500	11000	
503VC2E-V1-TSC	AlInGaP	Hyper Red	624		2.0	2.6		2900	5000	
504BGC2E-G3-1BC	InGaN	Bluish Green	505		3.3	3.8		6500	11000	
504BGC2E-G3-3FC	InGaN	Bluish Green	505		3.3	3.8		8500	14000	
504BGC2E-G3-3BC	InGaN/Sic	Bluish Green	505		3.3	3.8		3800	6500	
504PGC2E-G5-2CC	InGaN	Pure Green	525		3.3	3.8		11000	18000	
504PGC2E-G5-3GC	InGaN	Pure Green	525		3.3	3.8		14000	23000	
504PGC2E-G5-3BC	InGaN/Sic	Pure Green	525		3.3	3.8		6500	11000	
503UYC2E-Y2-2BC	AlInGaP	Super Yellow	590		2.0	2.4		2200	3800	
503UYC2E-Y2-3AC	AlInGaP	Super Yellow	590		2.0	2.4		2900	5000	
503UYC2E-Y2-4GC	AlInGaP	Super Yellow	590		2.0	2.4		6500	11000	
503UYC2E-Y2-TSC	AlInGaP	Super Yellow	590		2.0	2.4		2900	5000	
503UAC2E-1AC	AlInGaP	Super Yellow Orange	605		2.0	2.4		1300	2200	
503UAC2E-2AC	AlInGaP	Super Yellow Orange	605		2.0	2.4		1700	2900	
503UAC2E-3AC	AlInGaP	Super Yellow Orange	605		2.0	2.4		2200	3800	
504BC2E-B4-1GC	InGaN	Blue	470		3.3	3.8		2900	5000	
504BC2E-B4-2GC	InGaN	Blue	470		3.3	3.8		5000	8500	
504BC2E-B4-3BC	InGaN/Sic	Blue	470		3.3	3.8		1700	2900	

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

Part Number LL-XXXX	Chip			Lens Color	Vf(V)		Iv (mcd)			Viewing Angle 2 θ 1/2
	Material	Emitted Color	W/L (nm)		Typ	Max	IF=mA	Min	Typ	

3mm Round Standard LED, T-1



304BGC2L-G3-1B	InGaN	Bluish Green	505	Water Clear	3.3	3.8	20	1300	2200	40
304BGC2L-G3-3F	InGaN	Bluish Green	505		3.3	3.8		1700	2900	
304BGC2L-G3-3B	InGaN/Sic	Bluish Green	505		3.3	3.8		600	1000	
304PGC2L-G5-2C	InGaN	Pure Green	525		3.3	3.8		1300	2200	
304PGC2L-G5-3G	InGaN	Pure Green	525		3.3	3.8		1700	2900	
304PGC2L-G5-3B	InGaN/Sic	Pure Green	525		3.3	3.8		780	1300	
304BC2L-B4-1G	InGaN	Blue	470		3.3	3.8		780	1300	
304BC2L-B4-2G	InGaN	Blue	470		3.3	3.8		1300	2200	
304BC2L-B4-3B	InGaN/Sic	Blue	470		3.3	3.8		460	780	
304VC2L-V1-2B	AllnGaP	Hyper Red	624		2.0	2.4		160	270	85
304VC2L-V1-3B	AllnGaP	Hyper Red	624		2.0	2.4		270	460	
304VC2L-V1-4I	AllnGaP	Hyper Red	624		2.0	2.4		350	600	
304VC2L-V1-TS	AllnGaP	Hyper Red	624		2.0	2.6		270	460	
304UYC2L-Y2-2B	AllnGaP	Super Yellow	590		2.0	2.4		210	350	
304UYC2L-Y2-3A	AllnGaP	Super Yellow	590		2.0	2.4		270	460	
304UYC2L-Y2-4G	AllnGaP	Super Yellow	590		2.0	2.4		350	600	
304UYC2L-Y2-TS	AllnGaP	Super Yellow	590	2.0	2.4	270	460			
304UAC2L-1A	AllnGaP	Super Yellow Orange	605	2.0	2.4	90	160			
304UAC2L-2A	AllnGaP	Super Yellow Orange	605	2.0	2.4	160	270			
304UAC2L-3AG	AllnGaP	Super Yellow Orange	605	2.0	2.4	210	350			

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