Kingbright

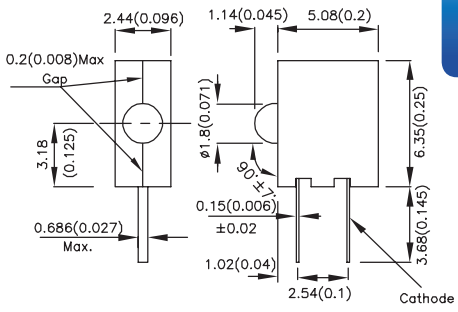
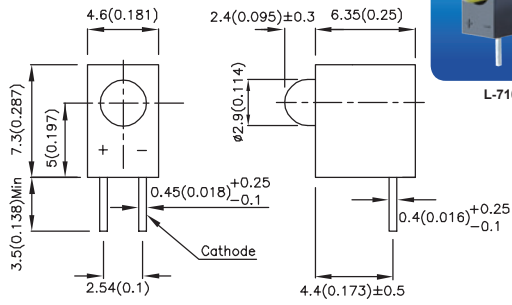
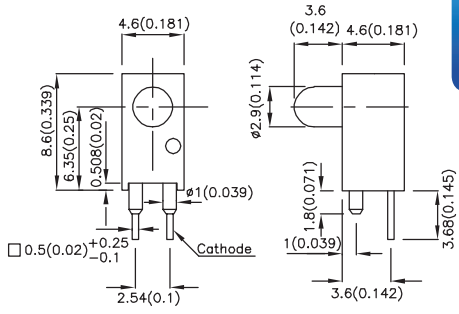
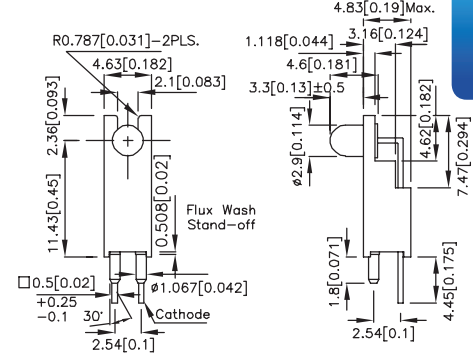
Optoelectronic Components

CIRCUIT BOARD INDICATOR

■ Quality ■ Efficiency ■ Service ■ Innovation

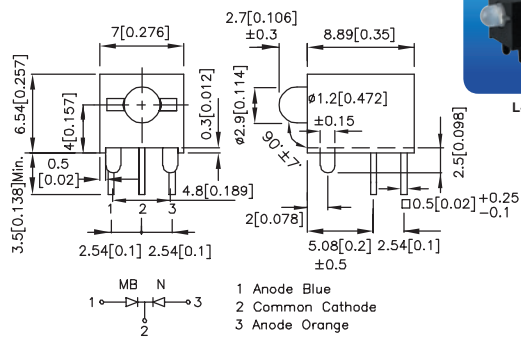
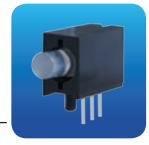
2016-2018

SINGLE-LEVEL CBI

Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @10mA *20mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
KM2520EH/1ID	GaAsP/GaP	617	red diffused	*8	*16	40°	Subminiature Solid State Lamps  KM2520EH/1 
KM2520EH/1YD	GaAsP/GaP	588	yellow diffused	*5	*10	40°	
KM2520EH/1SGD	GaP	568	green diffused	*5	*12	40°	
L-710A8CB/1ID	GaAsP/GaP	617	red diffused	6	12	50°	T-1 (3mm) Right Angle  L-710A8CB/1 
L-710A8CB/1YD	GaAsP/GaP	588	yellow diffused	6	15	50°	
L-710A8CB/1GD	GaP	568	green diffused	8	25	50°	
L-7104RS/1SRD	GaAlAs	640	red diffused	*50	*100	50°	T-1 (3mm) Right Angle  L-7104RS/1 
L-7104RS/1YD	GaAsP/GaP	588	yellow diffused	8	15	50°	
L-7104RS/1GD	GaP	568	green diffused	10	25	50°	
L-7104ZH/1ID	GaAsP/GaP	617	red diffused	10	20	50°	T-1 (3mm) Right Angle  L-7104ZH/1 
L-7104ZH/1GD	GaP	568	green diffused	10	25	50°	

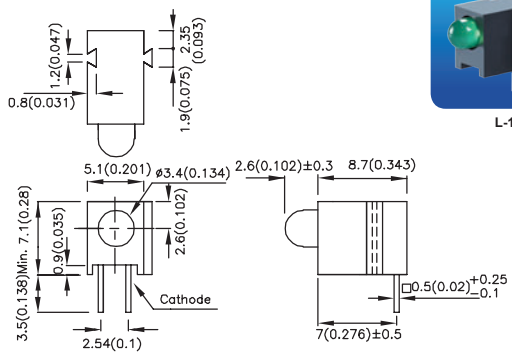
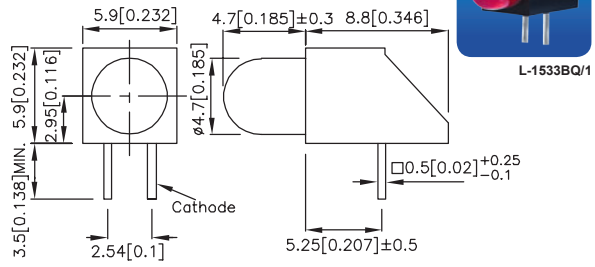
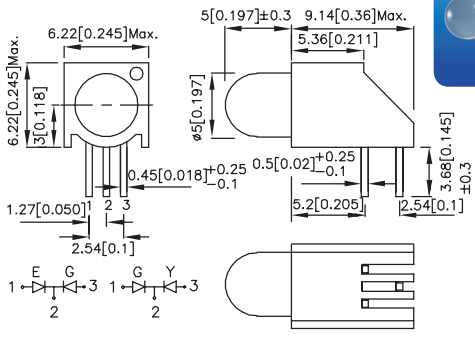
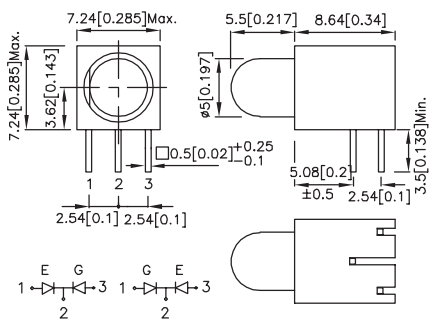
NOTES:
1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.

SINGLE-LEVEL CBI

Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @10mA *20mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
L-130WARA/1MBNW	GaN	466	white diffused	*10	*30	60°	T-1 (3mm) Right Angle  L-130WARA/1 
	GaAsP/GaP	602		*10	*30		
L-130WDT/1EGW	GaAsP/GaP	617	white diffused	*10	*24	60°	T-1 (3mm) Right Angle  L-130WDT/1
	GaP	568		*12	*30		
L-130WDT/1GYW	GaP	568	white diffused	*18	*40	60°	
	GaAsP/GaP	588		*10	*20		
L-130WDT/ 1SURKSGW-DTS	AlGaInP	630	white diffused	*100	*200	60°	
	GaP	568		*12	*30		
L-42WUM/1EGWT	GaAsP/GaP	617	white diffused	*4	*8	140°	T-1 (3mm) Right Angle  L-42WUM/1
	GaP	568		*4	*12		
L-42WUM/1GYWT	GaP	568	white diffused	*4	*10	140°	
	GaAsP/GaP	588		*2	*6		
L-1384AD/1ID	GaAsP/GaP	617	red diffused	8	16	60°	3.4mm Right Angle  L-1384AD/1
L-1384AD/1YD	GaAsP/GaP	588	yellow diffused	8	15	60°	
L-1384AD/1GD	GaP	568	green diffused	10	20	60°	

NOTES:
1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.

SINGLE-LEVEL CBI

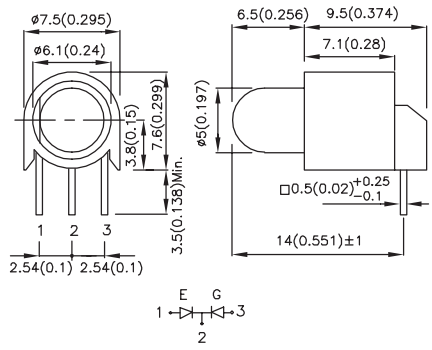
Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @10mA *20mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
L-1384AL/1ID	GaAsP/GaP	617	red diffused	8	16	60°	3.4mm Right Angle  L-1384AL/1 
L-1384AL/1GD	GaP	568	green diffused	10	20	60°	
L-1533BQ/1ID	GaAsP/GaP	617	red diffused	12	30	30°	4.7mm Right Angle  L-1533BQ/1 
L-1533BQ/1GD	GaP	568	green diffused	20	50	30°	
L-150A9VS/1EGW	GaAsP/GaP	617	white diffused	*12	*30	40°	T-1 3/4 (5mm) Right Angle  L-150A9VS/1 
	GaP	568		*18	*50		
L-150A9VS/1GYW	GaP	568	white diffused	*18	*50	40°	
	GaAsP/GaP	588		*8	*20		
L-59BL/1EGW	GaAsP/GaP	617	white diffused	*20	*40	30°	T-1 3/4 (5mm) Right Angle  L-59BL/1 
	GaP	568		*20	*60		
L-59BL/1GEW	GaP	568	white diffused	*50	*100	30°	
	GaAsP/GaP	617		*12	*35		

NOTES:
1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.

SINGLE-LEVEL CBI

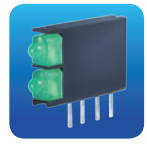
Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @20mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
L-59CB/1EGW	GaAsP/GaP	617	white diffused	20	40	30°	T-1 3/4 (5mm) Right Angle
	GaP	568		20	60		

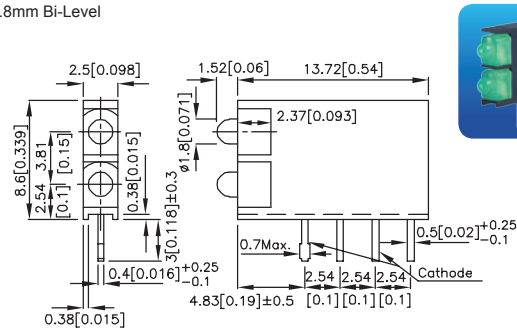

L-59CB/1

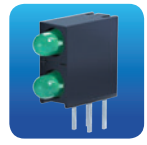


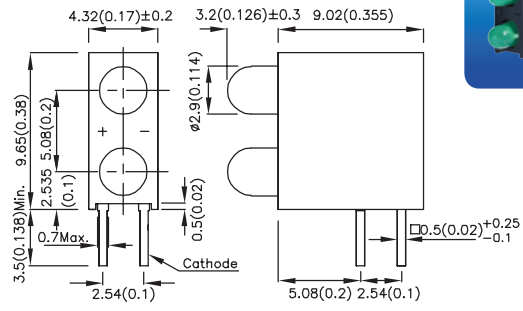
BI-LEVEL CBI

Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @10mA *20mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
L-4060VH/2ID	GaAsP/GaP	617	red diffused	4	8	70°	1.8mm Bi-Level
L-4060VH/2YD	GaAsP/GaP	588	yellow diffused	4	8	70°	
L-4060VH/2GD	GaP	568	green diffused	6	12	70°	
L-7104EB/2ID	GaAsP/GaP	617	red diffused	10	20	50°	T-1 (3mm) Bi-Level
L-7104EB/1Y1GD	GaAsP/GaP	588	yellow diffused	8	15	50°	
	GaP	568	green diffused	10	25	50°	
L-7104EB/2GD	GaP	568	green diffused	10	25	50°	
L-7104GO/2SRD	GaAlAs	640	red diffused	*50	*100	50°	T-1 (3mm) Bi-Level
L-7104GO/2GD	GaP	568	green diffused	10	25	50°	
L-7104GO/ 1CGK1CGKSYKC	AlGaInP	570	water clear	*150	*330	30°	
	AlGaInP	570	water clear	*55	*160	60°	
	AlGaInP	590		*100	*300		


L-4060VH/2



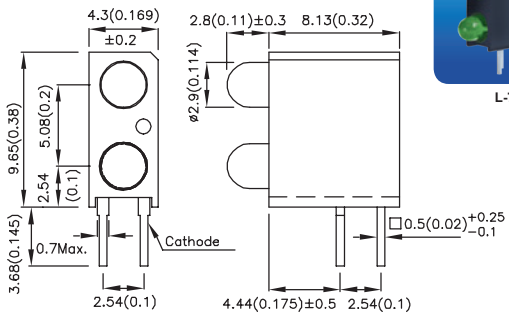
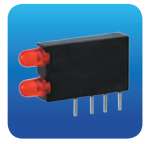
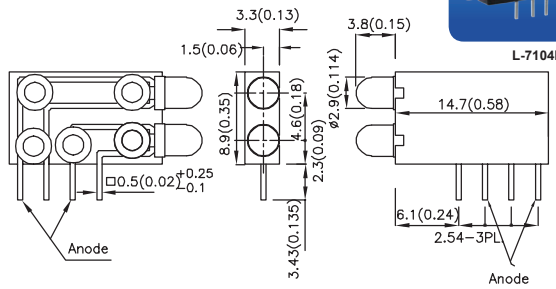
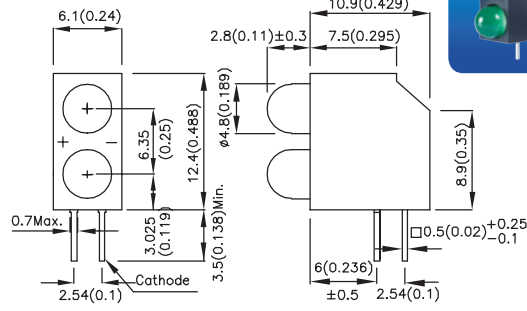

L-7104EB/2




L-7104GO/2

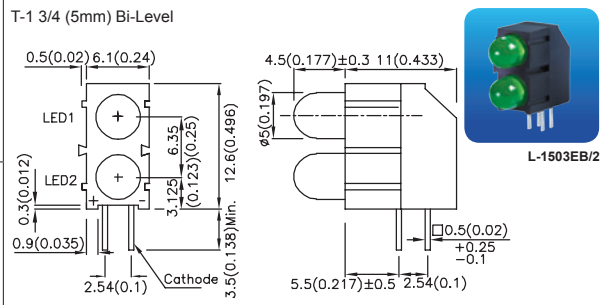
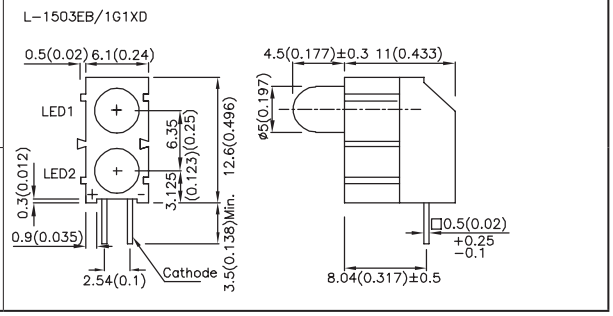
NOTES:
1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.

BI-LEVEL CBI

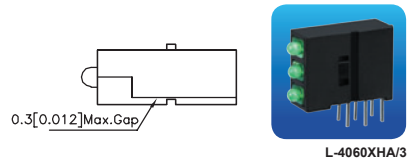
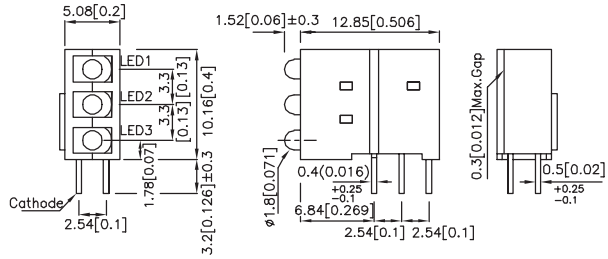
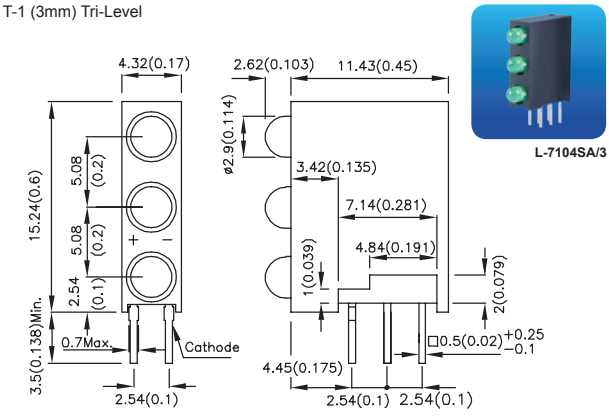
Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @10mA *20mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
L-7104MD/1G1ID	GaP	568 green	green diffused	10	25	50°	T-1 (3mm) Bi-Level  L-7104MD/2 
L-7104MD/2YD	GaAsP/GaP	588 yellow	yellow diffused	8	15	50°	
L-7104MD/2GD	GaP	568 green	green diffused	10	25	50°	
L-7104RT/2ID	GaAsP/GaP	617 red	red diffused	10	20	50°	T-1 (3mm) Bi-Level  L-7104RT/2 
L-7104RT/1G1YD	GaP	568 green	green diffused	10	25	50°	
	GaAsP/GaP	588 yellow	yellow diffused	8	15	50°	
L-130WCP/2EGW	GaAsP/GaP	617 red	white diffused	*10	*24	60°	T-1(3mm) Bi-Level  L-130WCP/2
	GaP	568 green		*12	*30		
L-130WCP/1MBN1XGW	GaN	466 blue	white diffused	*10	*30	60°	
	GaAsP/GaP	602 orange		*10	*30		
	GaP	568 green	white diffused	*12	*30	60°	
L-130WCP/2GYW	GaP	568 green	white diffused	*18	*40	60°	
	GaAsP/GaP	588 yellow		*10	*20		
L-73EB/1G1YDA	GaP	568 green	green diffused	10	30	40°	4.8mm Bi-Level  L-73EB/2 
	GaAsP/GaP	588 yellow	yellow diffused	6	15	40°	
L-73EB/2GDA	GaP	568 green	green diffused	10	30	40°	

NOTES:
1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.

BI-LEVEL CBI

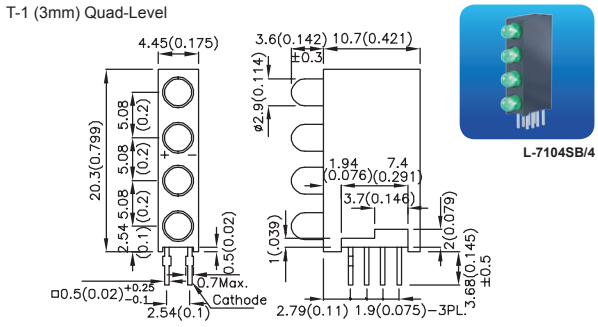
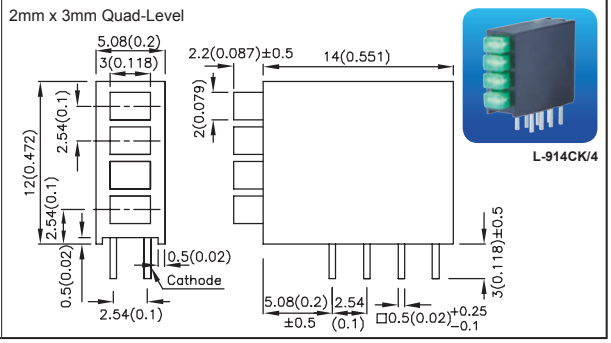
Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @10mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
L-1503EB/1I1YD	GaAsP/GaP	617	red diffused	12	40	30°	T-1 3/4 (5mm) Bi-Level 
	GaAsP/GaP	588	yellow diffused	15	30	30°	
L-1503EB/1G1XD	GaP	568	green diffused	15	30	30°	L-1503EB/1G1XD 
L-1503EB/2GD	GaP	568	green diffused	15	30	30°	

TRI-LEVEL CBI

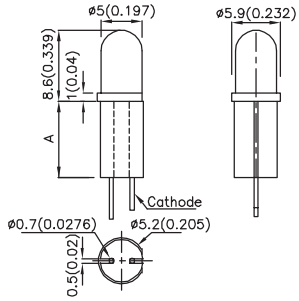
Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @10mA *20mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
L-4060XHA/3ID	GaAsP/GaP	617	red diffused	4	8	70°	1.8mm Tri-Level 
L-4060XHA/3YD	GaAsP/GaP	588	yellow diffused	4	8	70°	
L-4060XHA/3GD	GaP	568	green diffused	6	12	70°	
L-7104SA/2G1ID	GaP	568	green diffused	10	25	50°	T-1 (3mm) Tri-Level 
	GaAsP/GaP	617	red diffused	10	20	50°	
L-7104SA/ 1SR1SAK1CGKD	GaAlAs	640	red diffused	*50	*100	50°	
	AlGaInP	590	amber Diffused	*400	*800	50°	
	AlGaInP	570	green diffused	*80	*250	50°	
L-7104SA/3GD	GaP	568	green diffused	10	25	50°	

NOTES:
1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.

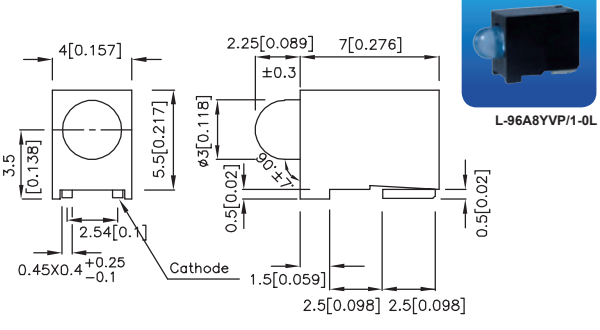
QUAD-LEVEL CBI

Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @10mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
L-7104SB/1G1Y1G1YD	GaP	568	green diffused	10	25	50°	T-1 (3mm) Quad-Level  L-7104SB/4
	GaAsP/GaP	588	yellow diffused	8	15	50°	
L-7104SB/4GD	GaP	568	green diffused	10	25	50°	
L-914CK/4GDT	GaP	568	green diffused	3	6	140°	2mm x 3mm Quad-Level  L-914CK/4

WITH SPACER

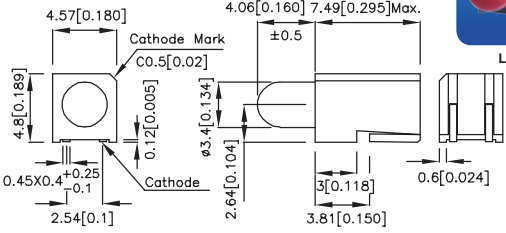
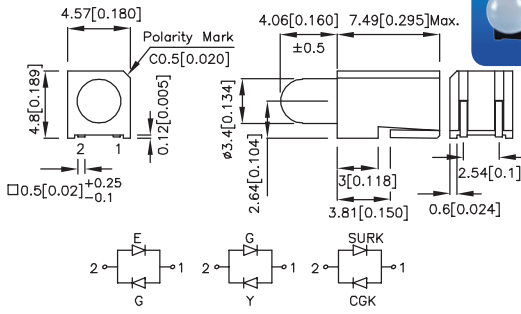
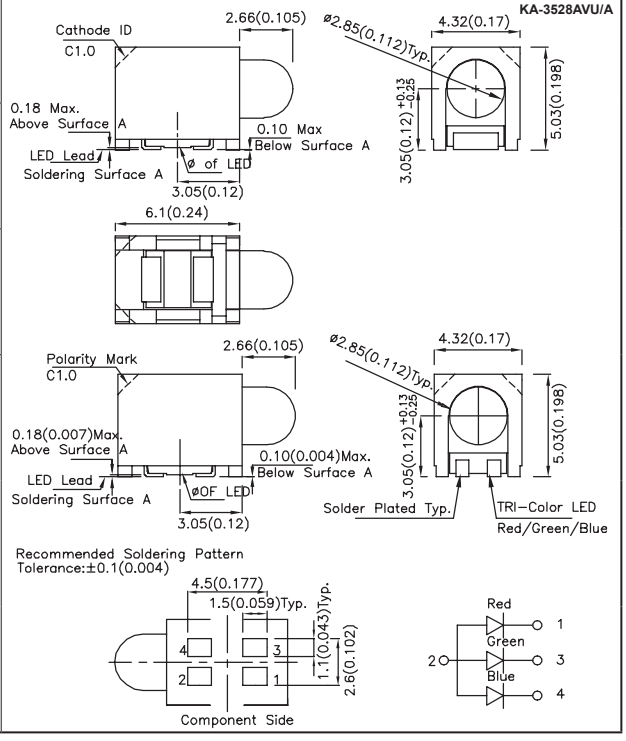
Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @10mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
L-7113BR-9.52/ID L-7113BR-12.7/ID	GaAsP/GaP	617	red diffused	18	40	30°	T-1 3/4 (5mm) With Spacer   L-7113BR L−7113BR−9.52/xxx (Dim. A : 9.52) L−7113BR−12.7/xxx (Dim. A : 12.7)
L-7113BR-9.52/YD L-7113BR-12.7/YD	GaAsP/GaP	588	yellow diffused	10	25	30°	
L-7113BR-9.52/GD L-7113BR-12.7/GD	GaP	568	green diffused	15	30	30°	

SMD CBI

Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @20mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
L-96A8YVP/1QBD-D-0L	InGaN	465	blue diffused	320	680	30°	T-1 (3mm) Right Angle  L-96A8YVP/1-0L

NOTES:
1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.

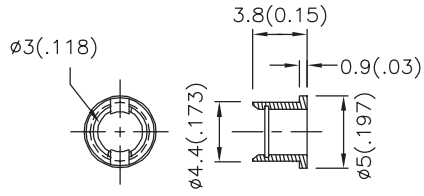
SMD CBI

Part Number	Material	λD (nm)	Lens Type	Iv (mcd) @10mA *20mA		Viewing Angle	Dimensions
				Min.	Typ.	2θ1/2	
L-138A8QMP/1ID	GaAsP/GaP	617	red diffused	4	10	40°	3.4mm Right Angle  L-138A8QMP/1 
L-138A8QMP/1YD	GaAsP/GaP	588	yellow diffused	4	8	40°	
L-138A8QMP/1GD	GaP	568	green diffused	6	12	40°	
L-1387QMP/1EGW	GaAsP/GaP	617	white diffused	*6	*16	70°	3.4mm Right Angle  L-1387QMP/1 
	GaP	568		*10	*20		
L-1387QMP/1GYW	GaP	568	white diffused	*10	*20	70°	
	GaAsP/GaP	588		*5	*10		
L-1387QMP/1SURKCGKW	AlGaInP	630	white diffused	*60	*160	70°	
	AlGaInP	570		*50	*120		
KA-3528AVU/AECT	GaAsP/GaP	617	water clear	0.7	2	60°	Single Level Surface Mount CBI  KA-3528AVU/A 
KA-3528AVU/AYCT	GaAsP/GaP	588	water clear	3	6	60°	
KA-3528AVU/ACGCKT	AlGaInP	570	water clear	5	15	60°	
KA-3528AVU/AQBS-D	InGaN	465	water clear	*10	*25	60°	
KAA-3528AVU/ARBGS-112	AlGaInP	621	water clear	*40	*80	60°	
	InGaN	470		*40	*80		
	InGaN	525		*80	*200		

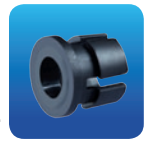
NOTES:
1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.

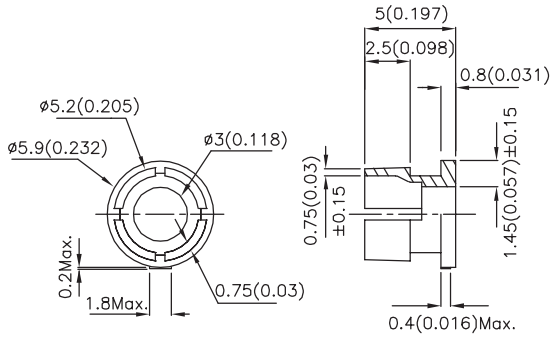
RTC-31


RTC-31

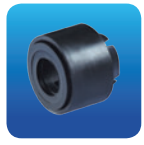


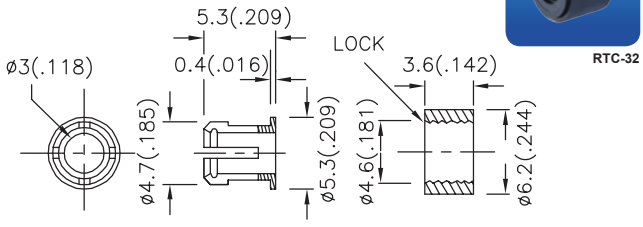
CB-30


CB-30

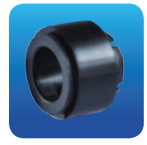


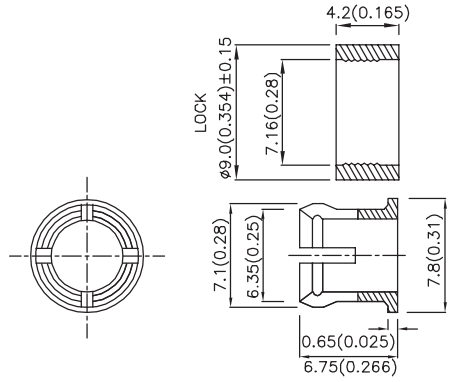
RTC-32


RTC-32



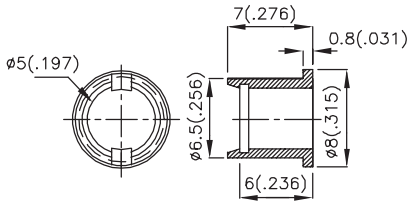
CB-50


CB-50



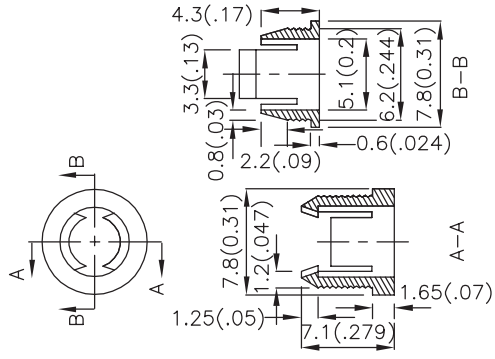
RTC-51


RTC-51



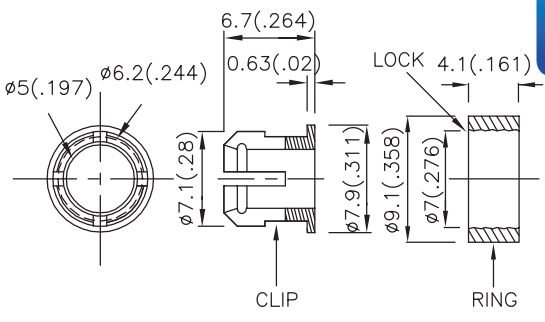
CB-55


CB-55



RTC-52

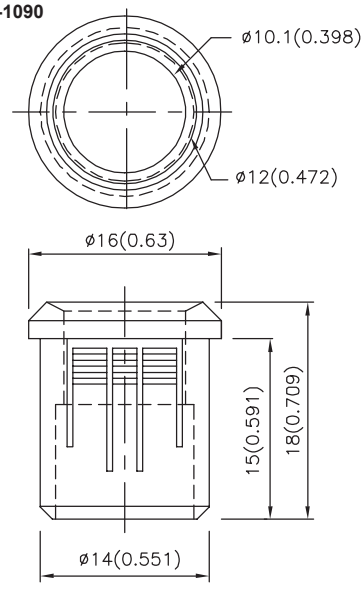

RTC-52



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

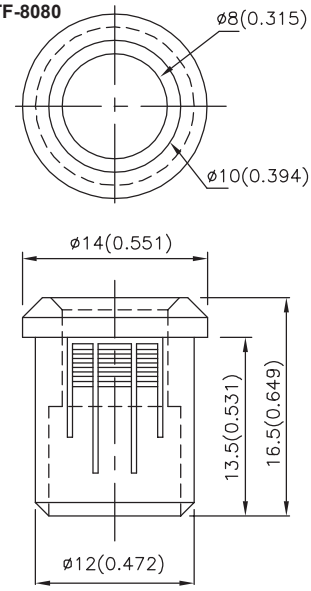
RTF-1090


RTF-1090



RTF-8080


RTF-8080



RTF-5010

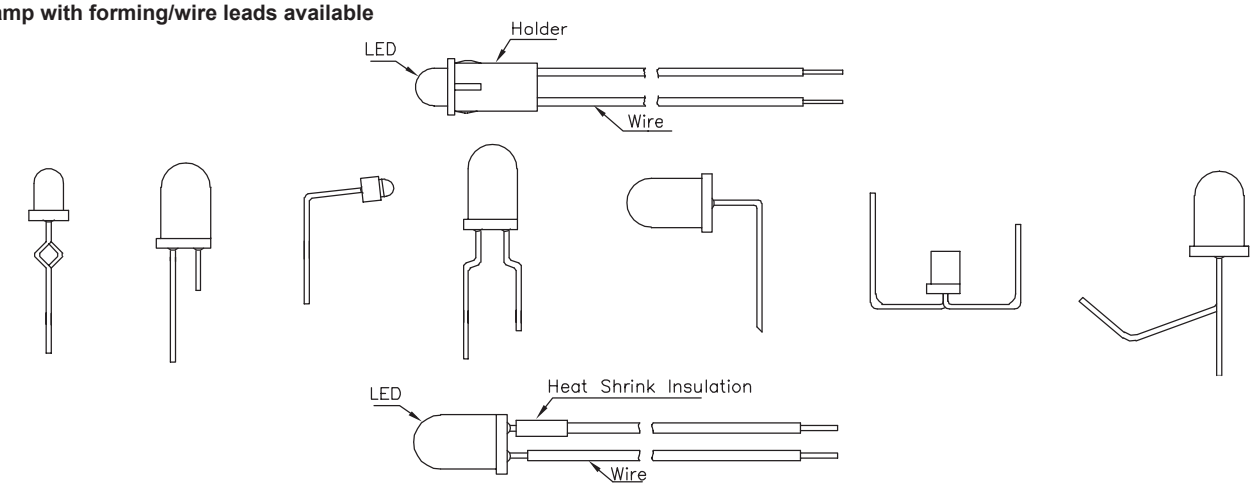

RTF-5010

RTF-5020


RTF-5020

VALUE ADDED LED LAMPS

LED lamp with forming/wire leads available



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