

Kingbright

Optoelectronic Components



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ROUND LED

PART NUMBER	MATERIAL	λD (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2θ1/2	DIMENSION
				MIN.	TYP.		
WP4060ID	GaAsP/GaP	625	red diffused	8	15	70°	1.8mm Round
WP4060SRD	GaAlAs	640	red diffused	*70	*200	70°	
WP4060ED	GaAsP/GaP	625	orange diffused	8	20	70°	
WP4060YD	GaAsP/GaP	588	yellow diffused	1.8	5	70°	
WP4060GD	GaP	568	green diffused	5	10	70°	
WP7104ID	GaAsP/GaP	625	red diffused	8	20	40°	T-1 (3mm) Round
WP7104IT	GaAsP/GaP	625	red transparent	18	60	34°	
WP7104EC	GaAsP/GaP	625	water clear	18	60	34°	
WP7104ED	GaAsP/GaP	625	orange diffused	8	20	40°	
WP7104ND	GaAsP/GaP	610	orange diffused	8	30	40°	
WP7104NT	GaAsP/GaP	610	orange transparent	18	50	34°	
WP7104NC	GaAsP/GaP	610	water clear	18	50	34°	
WP7104YD	GaAsP/GaP	588	yellow diffused	5	15	40°	
WP7104YT	GaAsP/GaP	588	yellow transparent	8	30	34°	
WP7104YC	GaAsP/GaP	588	water clear	8	30	34°	
WP7104GD	GaP	568	green diffused	8	20	40°	
WP7104GT	GaP	568	green transparent	18	60	34°	
WP7104GC	GaP	568	water clear	18	60	34°	
WP7104PGD	GaP	555	green diffused	1.8	5	40°	
WP7104PGT	GaP	555	green transparent	3	15	34°	
WP7104PGC	GaP	555	water clear	3	15	34°	
WP7104SRC/D	GaAlAs	640	water clear	*480	*600	34°	
WP7104SRC/E	GaAlAs	640	water clear	*650	*800	34°	
WP7104SRD/D	GaAlAs	640	red diffused	*110	*150	40°	
WP7104SRD/E	GaAlAs	640	red diffused	*180	*250	40°	
WP7104SRD/F	GaAlAs	640	red diffused	*280	*350	40°	
WP7104SRD/J	GaAlAs	640	red diffused	*900	*1200	40°	
WP7104SURC/E	AlGainP	630	water clear	*900	*1300	34°	
WP7104SEC	AlGainP	601	water clear	*480	*1300	34°	
WP7104SET	AlGainP	601	orange transparent	*480	*1300	34°	
WP7104SED	AlGainP	601	orange diffused	*280	*800	40°	
WP7104SEC/E	AlGainP	621	water clear	*900	*2000	34°	
WP7104SEC/J3	AlGainP	625	water clear	*3300	*7000	34°	
WP7104SYC	AlGainP	590	water clear	*280	*700	34°	
WP7104SYT	AlGainP	590	yellow transparent	*280	*700	34°	
WP7104SYD	AlGainP	590	yellow diffused	*110	*250	40°	
WP7104SYC/J3	AlGainP	589	water clear	*1200	*2200	34°	
WP7104SGC	GaP	568	water clear	*70	*150	34°	
WP7104SGD	GaP	568	green diffused	*18	*40	40°	
WP7104CGCK	AlGainP	570	water clear	*110	*350	34°	
WP7104TGC/Z	InGaN	507	water clear	*2800	*6000	34°	
WP7104VGC/A	InGaN	525	water clear	*1200	*3000	34°	
WP7104VGC/Z	InGaN	535	water clear	*3300	*9000	34°	
WP7104QBC/D	AlGainN	470	water clear	*900	*1500	20°	
WP7104PBC/A	InGaN	470	water clear	*380	*1200	20°	
WP7104PBC/Z	InGaN	465	water clear	*1500	*3000	20°	
WP908A8ID	GaAsP/GaP	625	red diffused	5	20	80°	T-1 (3mm) Round
WP908A8SRD	GaAlAs	640	red diffused	*70	*250	80°	
WP908A8ND	GaAsP/GaP	610	orange diffused	8	26	80°	
WP908A8YD	GaAsP/GaP	588	yellow diffused	5	20	80°	
WP908A8GD	GaP	568	green diffused	5	25	80°	

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.		
WP3A8HD	GaP	660	red diffused	1	2.5	50°	
WP3A8ID	GaAsP/GaP	625	red diffused	8	25	50°	
WP3A8YD	GaAsP/GaP	588	yellow diffused	5	15	50°	
WP3A8GD	GaP	568	green diffused	8	20	50°	
WP132XID	GaAsP/GaP	625	red diffused	8	25	60°	
WP132XIT	GaAsP/GaP	625	red transparent	18	60	50°	
WP132XND	GaAsP/GaP	610	orange diffused	8	30	60°	
WP132XNT	GaAsP/GaP	610	orange transparent	18	50	50°	
WP132XNC	GaAsP/GaP	610	water clear	18	50	50°	
WP132XYD	GaAsP/GaP	588	yellow diffused	5	15	60°	
WP132XYT	GaAsP/GaP	588	yellow transparent	8	20	50°	
WP132XYC	GaAsP/GaP	588	water clear	8	20	50°	
WP132XGD	GaP	568	green diffused	8	15	60°	
WP132XGT	GaP	568	green transparent	12	40	50°	
WP132XGC	GaP	568	water clear	12	40	50°	
WP132XPGD	GaP	555	green diffused	1.8	5	60°	
WP132XPGT	GaP	555	green transparent	3	10	50°	
WP132XPGC	GaP	555	water clear	3	10	50°	
WP7113ID	GaAsP/GaP	625	red diffused	8	45	30°	
WP7113IT	GaAsP/GaP	625	red transparent	28	80	20°	
WP7113ED	GaAsP/GaP	625	orange diffused	8	25	30°	
WP7113EC	GaAsP/GaP	625	water clear	28	80	20°	
WP7113ND	GaAsP/GaP	610	orange diffused	12	30	30°	
WP7113NT	GaAsP/GaP	610	orange transparent	40	80	20°	
WP7113NC	GaAsP/GaP	610	water clear	40	80	20°	
WP7113YD	GaAsP/GaP	588	yellow diffused	5	20	30°	
WP7113YT	GaAsP/GaP	588	yellow transparent	18	40	20°	
WP7113YC	GaAsP/GaP	588	water clear	18	40	20°	
WP7113GD	GaP	568	green diffused	5	20	30°	
WP7113GT	GaP	568	green transparent	18	60	20°	
WP7113GC	GaP	568	water clear	18	60	20°	
WP7113PGD	GaP	555	green diffused	1.8	5	30°	
WP7113PGT	GaP	555	green transparent	5	10	20°	
WP7113PGC	GaP	555	water clear	5	10	20°	
WP7113SRC/DU	GaAlAs	640	water clear	*900	*1100	20°	
WP7113SRC/DV	GaAlAs	640	water clear	*1200	*1400	20°	
WP7113SRC/DW	GaAlAs	640	water clear	*1500	*1700	20°	
WP7113SRD/D	GaAlAs	640	red diffused	*180	*250	30°	
WP7113SRD/E	GaAlAs	640	red diffused	*280	*400	30°	
WP7113SRD/F	GaAlAs	640	red diffused	*480	*600	30°	
WP7113SURC	AlGaInP	630	water clear	*1200	*1400	20°	
WP7113SURC/E	AlGaInP	630	water clear	*1500	*2200	20°	
WP7113SECC	AlGaInP	601	water clear	*650	*2500	20°	
WP7113SET	AlGaInP	601	orange transparent	*650	*2500	20°	
WP7113SED	AlGaInP	601	orange diffused	*380	*800	30°	
WP7113SEC/E	AlGaInP	621	water clear	*1500	*5000	20°	
WP7113SEC/J3	AlGaInP	625	water clear	*6700	*12000	20°	
WP7113SYC	AlGaInP	590	water clear	*650	*2000	20°	
WP7113SYT	AlGaInP	590	yellow transparent	*650	*2000	20°	
WP7113SYD	AlGaInP	590	yellow diffused	*180	*600	30°	
WP7113SYC/J3	AlGaInP	589	water clear	*2200	*3800	20°	
WP7113SGC	GaP	568	water clear	*70	*200	20°	
WP7113SGD	GaP	568	green diffused	*18	*40	30°	
WP7113CGCK	AlGaInP	570	water clear	*380	*900	20°	
WP7113TGC/Z	InGaN	507	water clear	*7500	*17000	20°	
WP7113ZGC	InGaN	525	water clear	*3800	*6500	20°	
WP7113VGC/A	InGaN	525	water clear	*1800	*5500	20°	
WP7113VGC/Z	InGaN	535	water clear	*5700	*10000	20°	
WP7113QBC/D	AlGaInN	470	water clear	*900	*2200	16°	
WP7113PBC/A	InGaN	470	water clear	*480	*1600	16°	
WP7113PBC/Z	InGaN	465	water clear	*2500	*5500	20°	

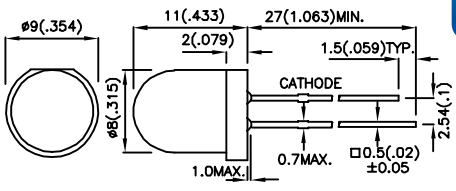
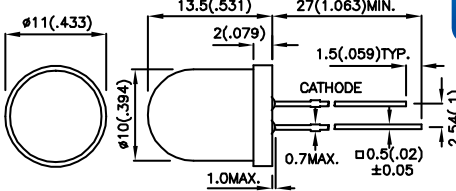
NOTES: 1. All dimensions are in millimeters(inches). 2. Tolerance is ±0.25mm(0.01") unless otherwise noted.

ROUND LED

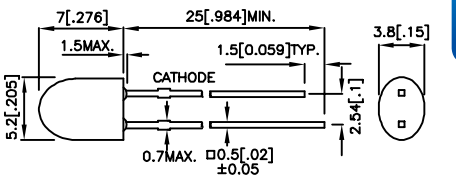
PART NUMBER	MATERIAL	λD (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2θ1/2	DIMENSION
				MIN.	TYP.		
WP9294SEC/J3	AlGaInP	625	water clear	*650	*1600	130°	5mm Round
WP9294SYC/J3	AlGaInP	589	water clear	*280	*530	130°	
WP9294VGC/Z	InGaN	535	water clear	*480	*1300	130°	
WP9294PBC/Z	InGaN	465	water clear	*180	*650	130°	
WP1503ID	GaAsP/GaP	625	red diffused	8	30	60°	T-1 3/4 (5mm) Round
WP1503IT	GaAsP/GaP	625	red transparent	28	80	30°	
WP1503EC	GaAsP/GaP	625	water clear	28	80	30°	
WP1503SRD	GaAlAs	640	red diffused	*380	*700	60°	
WP1503SRC/D	GaAlAs	640	water clear	*900	*1500	30°	
WP1503SRC/E	GaAlAs	640	water clear	*1800	*2800	30°	
WP1503SRC/F	GaAlAs	640	water clear	*3300	*4000	30°	
WP1503YD	GaAsP/GaP	588	yellow diffused	5	20	60°	
WP1503YT	GaAsP/GaP	588	yellow transparent	18	40	30°	
WP1503YC	GaAsP/GaP	588	water clear	18	40	30°	
WP1503GD	GaP	568	green diffused	5	20	60°	
WP1503GT	GaP	568	green transparent	18	60	30°	
WP1503GC	GaP	568	water clear	18	60	30°	
WP1503SGT	GaP	568	green transparent	*70	*150	30°	
WP1503SGC	GaP	568	water clear	*70	*200	30°	
WP63ID	GaAsP/GaP	625	red diffused	12	20	60°	T-1 3/4 (5mm) Round
WP63IT	GaAsP/GaP	625	red transparent	28	50	30°	
WP63SRD	GaAlAs	640	red diffused	*110	*300	60°	
WP63SRT	GaAlAs	640	red transparent	*280	*600	30°	
WP63SRC	GaAlAs	640	water clear	*180	*700	30°	
WP63YD	GaAsP/GaP	588	yellow diffused	1.8	6	60°	
WP63YT	GaAsP/GaP	588	yellow transparent	18	35	30°	
WP63GD	GaP	568	green diffused	5	12	60°	
WP63GT	GaP	568	green transparent	18	40	30°	
WP7143SRC/D	GaAlAs	640	water clear	*650	*900	30°	T-1 3/4 (5mm) Round
WP7143SURC/E	AlGaInP	630	water clear	*650	*1300	30°	
WP7143SGC	GaP	568	water clear	*70	*150	30°	
WP7083SED/J3	AlGaInP	625	orange diffused	*2200	*3700	60°	T-1 3/4 (5mm) Round
WP7083SYD/J3	AlGaInP	589	yellow diffused	*280	*800	60°	
WP7083VGD/Z	InGaN	535	green diffused	*1500	*2300	60°	
WP7083PBD/Z	InGaN	465	blue diffused	*280	*600	60°	

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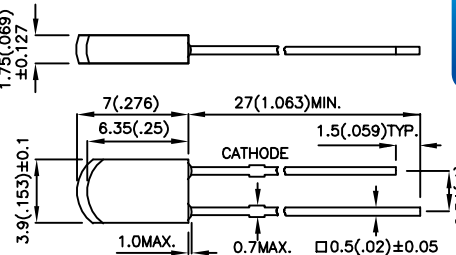
ROUND LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
WP793ID	GaAsP/GaP	625	red diffused	36	100	30°	8mm Round 
WP793SRC/D	GaAlAs	640	water clear	1500	1700	15°	
WP793SRC/E	GaAlAs	640	water clear	1800	2700	15°	
WP793SRC/F	GaAlAs	640	water clear	2800	3800	15°	
WP793SRD/D	GaAlAs	640	red diffused	280	350	30°	
WP793SRD/E	GaAlAs	640	red diffused	380	450	30°	
WP793SRD/F	GaAlAs	640	red diffused	480	600	30°	
WP793SRD/G	GaAlAs	640	red diffused	650	700	30°	
WP793SRD/H	GaAlAs	640	red diffused	900	1200	30°	
WP793ED	GaAsP/GaP	625	orange diffused	36	100	30°	
WP793YD	GaAsP/GaP	588	yellow diffused	18	50	30°	
WP793GD	GaP	568	green diffused	18	60	30°	
WP813ID	GaAsP/GaP	625	red diffused	36	100	30°	10mm Round 
WP813SRC/D	GaAlAs	640	water clear	1500	1700	15°	
WP813SRC/E	GaAlAs	640	water clear	1800	2700	15°	
WP813SRC/F	GaAlAs	640	water clear	2800	3800	15°	
WP813SRD/D	GaAlAs	640	red diffused	280	350	30°	
WP813SRD/E	GaAlAs	640	red diffused	380	450	30°	
WP813SRD/F	GaAlAs	640	red diffused	480	600	30°	
WP813SRD/G	GaAlAs	640	red diffused	650	700	30°	
WP813SRD/H	GaAlAs	640	red diffused	900	1200	30°	
WP813ED	GaAsP/GaP	625	orange diffused	36	100	30°	
WP813YD	GaAsP/GaP	588	yellow diffused	10	50	30°	
WP813GD	GaP	568	green diffused	18	60	30°	

OVAL LED

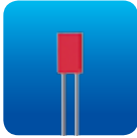
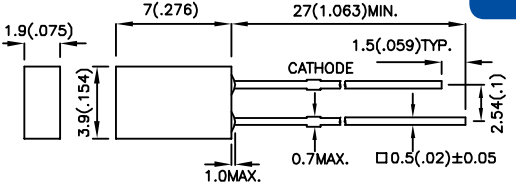

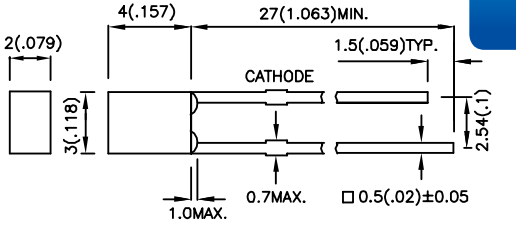

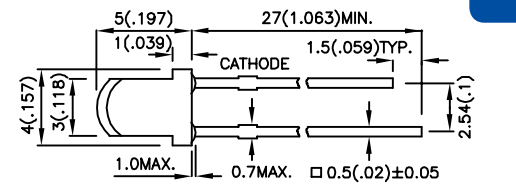

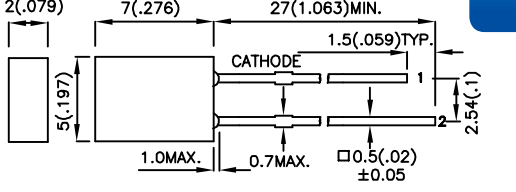
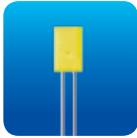
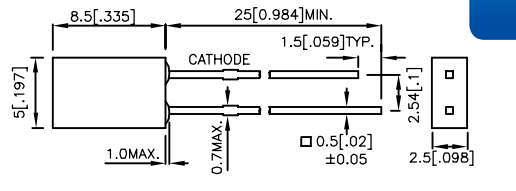
PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
WP5603SIDL/SD/J3	AlGaInP	630	red semi diffused	1800	3600	100°(H) 50°(V)	5.2mm Oval 
WP5603SYDL/SD/J3	AlGaInP	589	yellow semi diffused	380	1200	100°(H) 50°(V)	
WP5603VGD/SD/Z	InGaN	535	green semi diffused	2200	5000	100°(H) 50°(V)	
WP5603PBDL/SD/Z	InGaN	465	blue semi diffused	480	1100	90°(H) 30°(V)	

RECTANGULAR LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
WP2773HD	GaP	660	red diffused	0.7	2	100°	1.75mm x 3.9mm Rectangular 
WP2773ID	GaAsP/GaP	625	red diffused	5	10	100°	
WP2773ED	GaAsP/GaP	625	orange diffused	5	10	100°	
WP2773ND	GaAsP/GaP	610	orange diffused	5	8	100°	
WP2773YD	GaAsP/GaP	588	yellow diffused	3	8	100°	
WP2773GD	GaP	568	green diffused	3	10	100°	

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RECTANGULAR LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
WP144HDT	GaP	660	red diffused	0.4	1	110°	1.9mm x 3.9mm Rectangular  
WP144IDT	GaAsP/GaP	625	red diffused	3	6	110°	
WP144SRDT	GaAlAs	640	red diffused	*36	*70	110°	
WP144EDT	GaAsP/GaP	625	orange diffused	3	6	110°	
WP144YDT	GaAsP/GaP	588	yellow diffused	1	3	110°	
WP144GDT	GaP	568	green diffused	1	4	110°	
WP914HDT	GaP	660	red diffused	0.2	1	100°	2mm x 3mm Rectangular  
WP914HT	GaP	660	red transparent	0.4	1	90°	
WP914IDT	GaAsP/GaP	625	red diffused	1.8	8	100°	
WP914IT	GaAsP/GaP	625	red transparent	3	8	90°	
WP914EDT	GaAsP/GaP	625	orange diffused	1.8	8	100°	
WP914ET	GaAsP/GaP	625	orange transparent	3	8	90°	
WP914GDT	GaP	568	green diffused	1.8	6	100°	
WP914GT	GaP	568	green transparent	3	8	90°	
WP914PGT	GaP	555	green transparent	0.4	1	90°	
WP169XID	GaAsP/GaP	625	red diffused	8	15	60°	2mm x 3mm Rectangular  
WP169XYD	GaAsP/GaP	588	yellow diffused	5	10	60°	
WP169XGD	GaP	568	green diffused	5	15	60°	
WP113HDT	GaP	660	red diffused	0.4	1	110°	2mm x 5mm Rectangular  
WP113IDT	GaAsP/GaP	625	red diffused	3	5	110°	
WP113SRDT	GaAlAs	640	red diffused	*36	*80	110°	
WP113EDT	GaAsP/GaP	625	orange diffused	3	5	110°	
WP113YDT	GaAsP/GaP	588	yellow diffused	1	4	110°	
WP113GDT	GaP	568	green diffused	1.8	5	110°	
WP513HDT	GaP	660	red diffused	0.4	1	110°	2.5mm x 5mm Rectangular  
WP513IDT	GaAsP/GaP	625	red diffused	1.8	5	110°	
WP513EDT	GaAsP/GaP	625	orange diffused	1.8	5	110°	
WP513YDT	GaAsP/GaP	588	yellow diffused	1	3	110°	
WP513GDT	GaP	568	green diffused	1	3	110°	
WP513SGDT	GaP	568	green diffused	*7	*10	110°	

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

RECTANGULAR LED

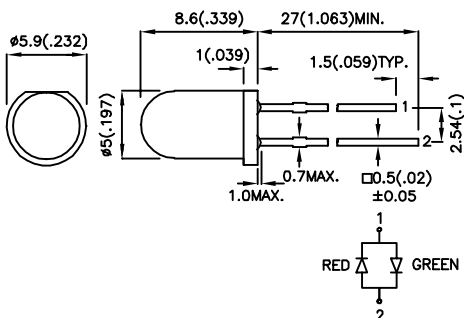
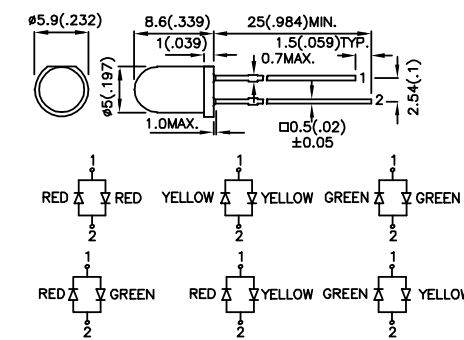
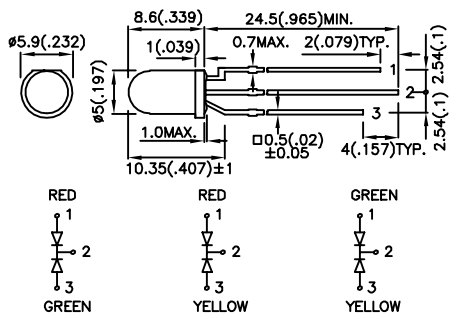
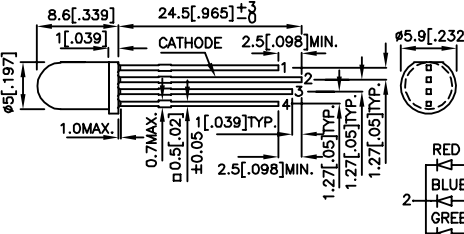
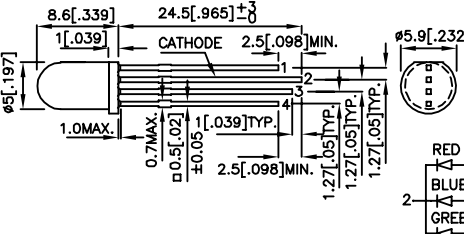
PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
WP383HDT	GaP	660	red diffused	0.4	1	110°	2.5mm x 5mm Rectangular
WP383IDT	GaAsP/GaP	625	red diffused	3	5	110°	
WP383SRDT	GaAlAs	640	red diffused	*36	*70	110°	
WP383EDT	GaAsP/GaP	625	orange diffused	3	5	110°	
WP383YDT	GaAsP/GaP	588	yellow diffused	1	4	110°	
WP383GDT	GaP	568	green diffused	1	4	110°	
WP503HDT	GaP	660	red diffused	0.4	1	110°	5mm x 5mm Square
WP503IDT	GaAsP/GaP	625	red diffused	3	6	110°	
WP503YDT	GaAsP/GaP	588	yellow diffused	1	3	110°	
WP503GDT	GaP	568	green diffused	1	3	110°	

CYLINDRICAL LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @10mA *20mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
WP424HDT	GaP	660	red diffused	0.4	1	100°	T-1 (3mm) Cylindrical
WP424IDT	GaAsP/GaP	625	red diffused	3	5	100°	
WP424SRDT	GaAlAs	640	red diffused	*36	*100	100°	
WP424EDT	GaAsP/GaP	625	orange diffused	3	5	100°	
WP424YDT	GaAsP/GaP	588	yellow diffused	1	4	100°	
WP424GDT	GaP	568	green diffused	1	4	100°	
WP483HDT	GaP	660	red diffused	0.4	1	100°	T-1 3/4 (5mm) Cylindrical
WP483IDT	GaAsP/GaP	625	red diffused	1.8	5	100°	
WP483EDT	GaAsP/GaP	625	orange diffused	3	7	100°	
WP483YDT	GaAsP/GaP	588	yellow diffused	0.7	3	100°	
WP483GDT	GaP	568	green diffused	1	4	100°	

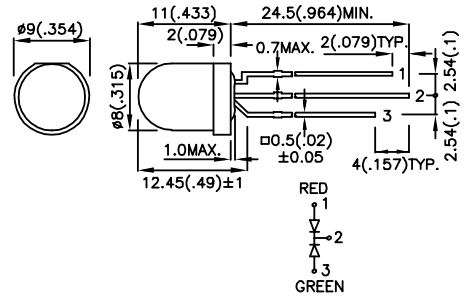
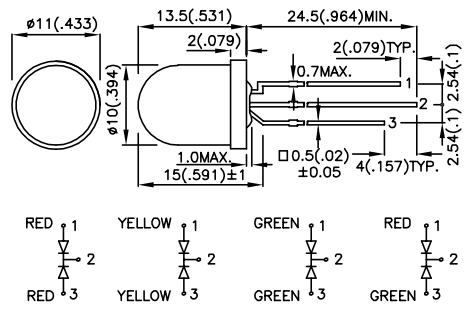
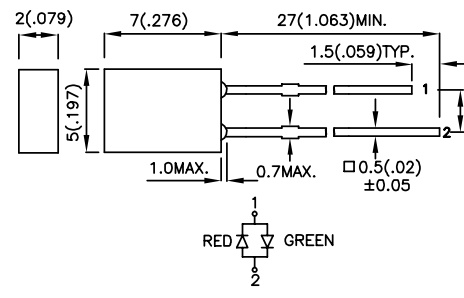
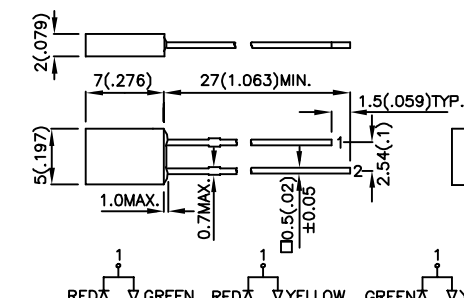
NOTES: 1. All dimensions are in millimeters(inches). 2. Tolerance is $\pm 0.25\text{mm}(0.01")$ unless otherwise noted.

MULTI-COLOR LED

PART NUMBER	MATERIAL	λD (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE 2θ1/2	DIMENSION
				MIN.	TYP.		
WP7113SRSGW	GaAlAs	640	white diffused	110	200	35°	T-1 3/4 (5mm) Round 
	GaP	568		18	60		
WP57IID	GaAsP/GaP	625	red diffused	7	20	60°	T-1 3/4 (5mm) Round 
WP57YYD	GaAsP/GaP	588	yellow diffused	4	10	60°	
	GaAsP/GaP	588		4	10		
WP57GGD	GaP	568	green diffused	4	10	60°	
	GaP	568		4	10		
WP57SRSRD	GaAlAs	640	red diffused	70	150	60°	
	GaAlAs	640		70	150		
WP57EGW	GaAsP/GaP	625	white diffused	10	30	60°	
	GaP	568		10	20		
WP57EYW	GaAsP/GaP	625	white diffused	10	30	60°	
	GaAsP/GaP	588		4	10		
WP57GYW	GaP	568	white diffused	10	20	60°	
	GaAsP/GaP	588		4	10		
WP59EGW	GaAsP/GaP	625	white diffused	18	60	60°	T-1 3/4 (5mm) Round 
	GaP	568		18	50		
WP59EYW	GaAsP/GaP	625	white diffused	18	60	60°	
	GaAsP/GaP	588		18	40		
WP59GYW	GaP	568	white diffused	18	50	60°	
	GaAsP/GaP	588		18	40		
WP59SRSGW/CC	GaAlAs	640	white diffused	110	220	60°	
	GaP	568		18	50		
WP59SURKCGKW	AlGaInP	630	white diffused	280	700	60°	
	AlGaInP	570		50	200		
WP59EGC	GaAsP/GaP	625	water clear	70	150	24°	
	GaP	568		70	150		
WP59EYC	GaAsP/GaP	625	water clear	70	150	24°	
	GaAsP/GaP	588		18	60		
WP59GYC	GaP	568	water clear	70	150	24°	
	GaAsP/GaP	588		18	60		
WP154A4SUREPBGVAC	AlGaInP	630	water clear	650	1300	50°	T-1 3/4 (5mm) Full color 
	InGaN	470		280	800		
	InGaN	525		480	1200		
WP154A4SUREPBGVACW	AlGaInP	630	white diffused	380	750	60°	T-1 3/4 (5mm) Full color 
	InGaN	470		180	450		
	InGaN	525		180	500		

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

MULTI-COLOR LED

PART NUMBER	MATERIAL	λD (nm)	LENS TYPE	Iv (mcd) @20mA		VIEWING ANGLE 2θ1/2	DIMENSION	
				MIN.	TYP.			
WP799EGW	GaAsP/GaP	625	white diffused	36	80	50°	8mm Round 	
	GaP	568		18	50			
WP799SRSGW/CC	GaAlAs	640	white diffused	110	200	50°		
	GaP	568		18	50			
WP799SURKMGKW	AlGaInP	630	white diffused	380	600	50°		
	AlGaInP	570		50	130			
WP819IID	GaAsP/GaP	625	red diffused	36	80	50°		10mm Round 
WP819YYD	GaAsP/GaP	588	yellow diffused	10	30			
	GaAsP/GaP	588		10	30			
WP819GGD	GaP	568	green diffused	10	40			
	GaP	568		10	40			
WP819EGW	GaAsP/GaP	625	white diffused	36	80			
	GaP	568		18	50			
WP819SRSGW/CC	GaAlAs	640	white diffused	110	300	50°		
	GaP	568		36	50			
WP819SURKMGKW	AlGaInP	630	white diffused	380	750	50°		
	AlGaInP	570		50	130			
WP113SRSGWT	GaAlAs	640	white diffused	36	70	110°	2mm x 5mm Rectangular 	
	GaP	568		7	10			
WP117EGWT	GaAsP/GaP	625	white diffused	4	10	110°	2mm x 5mm Rectangular 	
	GaP	568		4	8			
WP117EYWT	GaAsP/GaP	625	white diffused	4	10	110°		
	GaAsP/GaP	588		2.6	6			
WP117GYWT	GaP	568	white diffused	4	8	110°		
	GaAsP/GaP	588		2.6	6			

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.			
WP119EGWT	GaAsP/GaP	625	white diffused	7	20	110°	2mm x 5mm Rectangular 	
	GaP	568		4	12			
WP119SRSGWT/CC	GaAlAs	640	white diffused	18	60	110°		
	GaP	568		4	12			
WP119SURKMGKWT	AlGaInP	630	white diffused	70	170	110°		
	AlGaInP	570		10	30			
WP483SRSGW	GaAlAs	640	white diffused	18	50	80°		T-1 3/4 (5mm) Cylindrical
	GaP	568		4	10			

RESISTOR LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) V=5V *V=14V		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
WP7104ID5V	GaAsP/GaP	625	red diffused	8	20	40°	T-1 (3mm) Round
WP7104ID14V	GaAsP/GaP	625	red diffused	*8	*20	40°	
WP7104SRD5V	GaAlAs	640	red diffused	70	150	40°	
WP7104SRD14V	GaAlAs	640	red diffused	*28	*90	40°	
WP7104YD5V	GaAsP/GaP	588	yellow diffused	8	15	40°	
WP7104YD14V	GaAsP/GaP	588	yellow diffused	*3	*11	40°	
WP7104GD5V	GaP	568	green diffused	8	20	40°	
WP7104GD14V	GaP	568	green diffused	*8	*20	40°	
WP7104SGD5V	GaP	568	green diffused	8	20	40°	
WP7104SGD14V	GaP	568	green diffused	*8	*20	40°	
WP7113ID5V	GaAsP/GaP	625	red diffused	12	30	30°	T-1 3/4 (5mm) Round
WP7113ID14V	GaAsP/GaP	625	red diffused	*12	*30	30°	
WP7113SRD5V	GaAlAs	640	red diffused	110	180	30°	
WP7113SRD14V	GaAlAs	640	red diffused	*70	*160	30°	
WP7113YD5V	GaAsP/GaP	588	yellow diffused	5	20	30°	
WP7113YD14V	GaAsP/GaP	588	yellow diffused	*5	*16	30°	
WP7113SGD5V	GaP	568	green diffused	8	20	30°	
WP7113SGD14V	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.

BLINKING LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) V=9V		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
WP36BHD	GaP	660	red diffused	1	2	60°	T-1 (3mm) Round
WP36BID	GaAsP/GaP	625	red diffused	12	20	60°	
WP36BSRD/B	GaAlAs	640	red diffused	110	200	60°	
WP36BYD	GaAsP/GaP	588	yellow diffused	5	10	60°	
WP36BGD	GaP	568	green diffused	5	15	60°	
WP56BHD	GaP	660	red diffused	0.7	4	60°	T-1 3/4 (5mm) Round
WP56BID	GaAsP/GaP	625	red diffused	18	40	60°	
WP56BSRD/B	GaAlAs	640	red diffused	110	200	60°	
WP56BYD	GaAsP/GaP	588	yellow diffused	5	20	60°	
WP56BGD	GaP	568	green diffused	5	20	60°	

LOW CURRENT LED

PART NUMBER	MATERIAL	λ_D (nm)	LENS TYPE	Iv (mcd) @2mA		VIEWING ANGLE 2 θ 1/2	DIMENSION
				MIN.	TYP.		
WP7104LID	GaAsP/GaP	625	red diffused	0.7	3	40°	T-1 (3mm) Round
WP7104LSRD	GaAlAs	640	red diffused	8	20	40°	
WP7104LYD	GaAsP/GaP	588	yellow diffused	0.7	1.5	40°	
WP7104LGD	GaP	568	green diffused	0.7	2	40°	
WP7113LID	GaAsP/GaP	625	red diffused	0.7	5	30°	T-1 3/4 (5mm) Round
WP7113LSRD	GaAlAs	640	red diffused	8	20	30°	
WP7113LYD	GaAsP/GaP	588	yellow diffused	0.7	2	30°	
WP7113LGD	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.