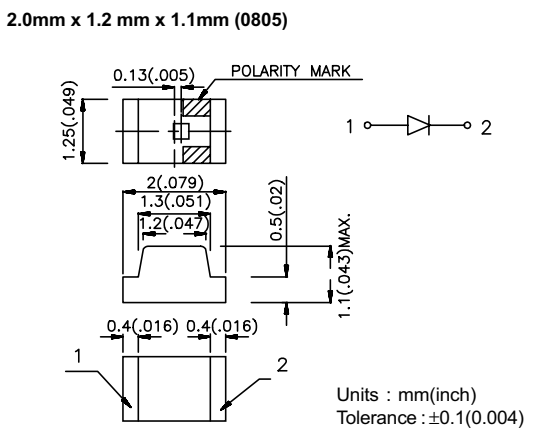
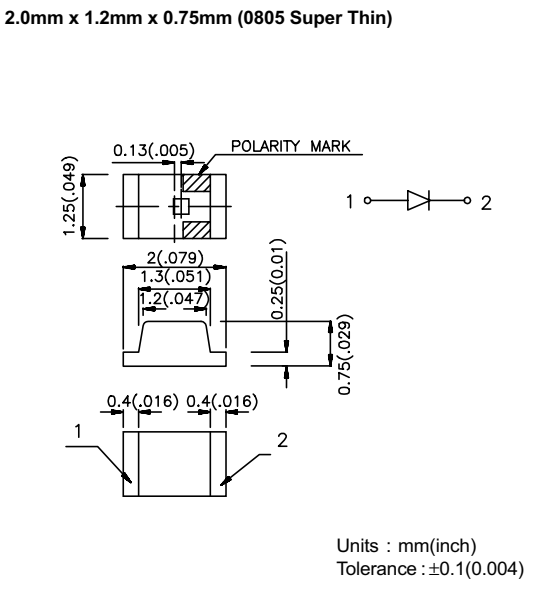
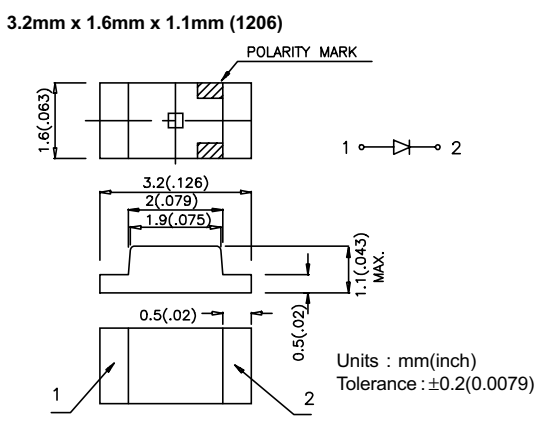


KP-2012			KPT-2012			KP-3216		
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Part No.	Emitting Color + Material	Wave-length (nm)	Lens Type	Iv (mcd) @20mA		Viewing Angle	Dimension
				Min.	Typ.		
KP-2012HD	GaP	700	red diffused	0.8	1.2	120°	2.0mm x 1.2 mm x 1.1mm (0805) 
KP-2012HC	GaP	700	water clear	0.8	1.2	120°	
KP-2012ID	GaAsP/GaP	625	red diffused	5	12	120°	
KP-2012EC	GaAsP/GaP	625	water clear	5	12	120°	
KP-2012SGD	GaP	565	green diffused	3	12	120°	
KP-2012SGC	GaP	565	water clear	3	12	120°	
KP-2012YD	GaAsP/GaP	590	yellow diffused	3	8	120°	
KP-2012YC	GaAsP/GaP	590	water clear	3	8	120°	
KP-2012SRD-PRV	GaAlAs	660	red diffused	40	70	120°	
KP-2012SRC-PRV	GaAlAs	660	water clear	40	70	120°	
KP-2012SURC	InGaAlP	640	water clear	70	150	120°	
KP-2012SURCK	InGaAlP	640	water clear	50	100	120°	
KP-2012SEC	InGaAlP	610	water clear	80	200	120°	
KP-2012SECK	InGaAlP	610	water clear	70	160	120°	
KP-2012MGC	InGaAlP	565	water clear	20	50	120°	
KP-2012SYC	InGaAlP	590	water clear	40	60	120°	
KP-2012SYCK	InGaAlP	590	water clear	30	50	120°	
KP-2012MBC	GaN	430	water clear	2	8	120°	
KP-2012PBC	InGaN	468	water clear	30	45	120°	

KPT-2012HD	GaP	700	red diffused	0.8	1.2	120°	2.0mm x 1.2mm x 0.75mm (0805 Super Thin) 
KPT-2012HC	GaP	700	water clear	0.8	1.2	120°	
KPT-2012ID	GaAsP/GaP	625	red diffused	5	12	120°	
KPT-2012EC	GaAsP/GaP	625	water clear	5	12	120°	
KPT-2012NW	GaAsP/GaP	610	white diffused	5	12	120°	
KPT-2012SGD	GaP	565	green diffused	3	12	120°	
KPT-2012SGC	GaP	565	water clear	3	12	120°	
KPT-2012SGW	GaP	565	white diffused	3	12	120°	
KPT-2012QGW	GaP	560	white diffused	3	12	120°	
KPT-2012PGW	GaP	555	white diffused	2	5	120°	
KPT-2012YD	GaAsP/GaP	590	yellow diffused	3	8	120°	
KPT-2012YC	GaAsP/GaP	590	water clear	3	8	120°	
KPT-2012PYW	GaAsP/GaP	580	white diffused	3	8	120°	
KPT-2012SRD-PRV	GaAlAs	660	red diffused	40	70	120°	
KPT-2012SRC-PRV	GaAlAs	660	water clear	40	70	120°	
KPT-2012SRW-PRV	GaAlAs	660	white diffused	40	70	120°	
KPT-2012SURC	InGaAlP	640	water clear	70	150	120°	
KPT-2012SURCK	InGaAlP	640	water clear	50	100	120°	
KPT-2012SEC	InGaAlP	610	water clear	80	200	120°	
KPT-2012SEW	InGaAlP	610	white diffused	80	200	120°	
KPT-2012SECK	InGaAlP	610	water clear	70	160	120°	
KPT-2012SEW-E	InGaAlP	630	white diffused	70	200	120°	
KPT-2012SYC	InGaAlP	590	water clear	40	60	120°	
KPT-2012SYW	InGaAlP	590	white diffused	40	60	120°	
KPT-2012SYCK	InGaAlP	590	water clear	30	50	120°	
KPT-2012MBC	GaN	430	water clear	2	8	120°	
KPT-2012MBW	GaN	430	white diffused	2	8	120°	
KPT-2012PBC	InGaN	468	water clear	30	45	120°	

KP-3216HD	GaP	700	red diffused	0.8	1.2	120°	3.2mm x 1.6mm x 1.1mm (1206) 
KP-3216HC	GaP	700	water clear	0.8	1.2	120°	
KP-3216ID	GaAsP/GaP	625	red diffused	5	12	120°	
KP-3216EC	GaAsP/GaP	625	water clear	5	12	120°	
KP-3216SGD	GaP	565	green diffused	3	12	120°	
KP-3216SGC	GaP	565	water clear	3	12	120°	
KP-3216YD	GaAsP/GaP	590	yellow diffused	3	8	120°	
KP-3216YC	GaAsP/GaP	590	water clear	3	8	120°	
KP-3216SRD-PRV	GaAlAs	660	red diffused	40	70	120°	
KP-3216SRC-PRV	GaAlAs	660	water clear	40	70	120°	
KP-3216SURC	InGaAlP	640	water clear	70	180	120°	
KP-3216SURCK	InGaAlP	640	water clear	50	150	120°	
KP-3216SEC	InGaAlP	610	water clear	80	250	120°	
KP-3216SECK	InGaAlP	610	water clear	70	200	120°	
KP-3216MGC	InGaAlP	565	water clear	20	50	120°	
KP-3216SYC	InGaAlP	590	water clear	40	70	120°	
KP-3216SYCK	InGaAlP	590	water clear	30	50	120°	
KP-3216MBC	GaN	430	water clear	2	8	120°	
KP-3216PBC	InGaN	468	water clear	30	45	120°	

NOTE:

1. KP series custom-made is available upon request.