



| Part No. | Material | λ D (nm) | Lens Type | Iv (mcd) @20mA | | Viewing Angle 2θ1/2 | Dimension |
|-----------------|-----------|----------|-------------|----------------|------|---------------------|---|
| | | | | Min. | Typ. | | |
| KPHCM-2012SURCK | InGaAlP | 635 | water clear | 50 | 150 | 110° | <p>Units : mm(inch) Tolerance : ±0.1(0.004)</p> |
| KPHCM-2012SECK | InGaAlP | 601 | water clear | 50 | 160 | 110° | |
| KPHCM-2012SYCK | InGaAlP | 590 | water clear | 36 | 120 | 110° | |
| KPHCM-2012ZGCK | AlInGaN | 525 | water clear | 110 | 300 | 110° | |
| KPHCM-2012CGCK | InGaAlP | 570 | water clear | 10 | 40 | 110° | |
| KPHCM-2012VGC-A | InGaN | 525 | water clear | 50 | 180 | 110° | |
| KPHCM-2012VGC-Z | InGaN | 535 | water clear | 380 | 800 | 110° | |
| KPHCM-2012QBC-D | AlInGaN | 470 | water clear | 50 | 100 | 110° | |
| KPHCM-2012PBC-A | InGaN | 470 | water clear | 18 | 60 | 110° | |
| KPHCM-2012PBC-J | InGaN | 470 | water clear | 50 | 160 | 110° | |
| KP-23SURC-F | InGaAlP | 628 | water clear | 110 | 250 | 120° | <p>Units : mm(inch) Tolerance : ±0.2(0.008)</p> |
| KP-23SURCK-F | InGaAlP | 635 | water clear | 50 | 150 | 120° | |
| KP-23SEC-F | InGaAlP | 601 | water clear | 70 | 200 | 120° | |
| KP-23SECK-F | InGaAlP | 601 | water clear | 50 | 160 | 120° | |
| KP-23SYC-F | InGaAlP | 588 | water clear | 50 | 150 | 120° | |
| KP-23SYCK-F | InGaAlP | 590 | water clear | 36 | 120 | 120° | |
| KP-23MGC-F | InGaAlP | 568 | water clear | 36 | 70 | 120° | |
| KP-23CGCK-F | InGaAlP | 570 | water clear | 18 | 60 | 120° | |
| KP-23ZGC-F | AlInGaN | 525 | water clear | 110 | 380 | 120° | |
| KP-23VGC-A-F | InGaN | 525 | water clear | 50 | 180 | 120° | |
| KP-23VGC-Z-F | InGaN | 535 | water clear | 380 | 900 | 120° | |
| KP-23QBC-D-F | AlInGaN | 470 | water clear | 50 | 100 | 120° | |
| KP-23PBC-A-F | InGaN | 470 | water clear | 18 | 50 | 120° | |
| KP-23PBC-Z-F-SI | InGaN | 465 | water clear | 110 | 250 | 120° | |
| KP-23ESGC | GaAsP/GaP | 625 | water clear | 7 | 20 | 120° | |
| | GaP | 568 | water clear | 7 | 20 | 120° | |
| KP-23YSGC | GaAsP/GaP | 588 | water clear | 2.6 | 8 | 120° | |
| | GaP | 568 | water clear | 7 | 20 | 120° | |
| KP-3216EC | GaAsP/GaP | 625 | water clear | 4 | 12 | 120° | <p>Units : mm(inch) Tolerance : ±0.2(0.008)</p> |
| KP-3216SRC-PRV | GaAlAs | 640 | water clear | 36 | 80 | 120° | |
| KP-3216SURC | InGaAlP | 628 | water clear | 70 | 200 | 120° | |
| KP-3216SURCK | InGaAlP | 635 | water clear | 50 | 150 | 120° | |
| KP-3216SEC | InGaAlP | 601 | water clear | 70 | 200 | 120° | |
| KP-3216SECK | InGaAlP | 601 | water clear | 50 | 160 | 120° | |
| KP-3216YC | GaAsP/GaP | 588 | water clear | 2.6 | 8 | 120° | |
| KP-3216SYC | InGaAlP | 588 | water clear | 50 | 150 | 120° | |
| KP-3216SYCK | InGaAlP | 590 | water clear | 36 | 120 | 120° | |
| KP-3216SGC | GaP | 568 | water clear | 4 | 15 | 120° | |
| KP-3216MGC | InGaAlP | 568 | water clear | 18 | 70 | 120° | |
| KP-3216CGCK | InGaAlP | 570 | water clear | 10 | 40 | 120° | |
| KP-3216ZGC | AlInGaN | 525 | water clear | 110 | 300 | 120° | |
| KP-3216VGC-A | InGaN | 525 | water clear | 50 | 180 | 120° | |
| KP-3216VGC-Z | InGaN | 535 | water clear | 380 | 800 | 120° | |
| KP-3216QBC-D | AlInGaN | 470 | water clear | 50 | 100 | 120° | |
| KP-3216PBC-A | InGaN | 470 | water clear | 18 | 60 | 120° | |
| KP-3216PBC-J | InGaN | 470 | water clear | 50 | 160 | 120° | |
| KPT-3216SURC | InGaAlP | 628 | water clear | 70 | 200 | 120° | <p>Units : mm(inch) Tolerance : ±0.2(0.008)</p> |
| KPT-3216SURCK | InGaAlP | 635 | water clear | 50 | 150 | 120° | |
| KPT-3216SEC | InGaAlP | 601 | water clear | 70 | 200 | 120° | |
| KPT-3216SECK | InGaAlP | 601 | water clear | 50 | 160 | 120° | |
| KPT-3216SYC | InGaAlP | 588 | water clear | 50 | 150 | 120° | |
| KPT-3216SYCK | InGaAlP | 590 | water clear | 36 | 120 | 120° | |
| KPT-3216MGC | InGaAlP | 568 | water clear | 18 | 70 | 120° | |
| KPT-3216CGCK | InGaAlP | 570 | water clear | 10 | 40 | 120° | |
| KPT-3216ZGC | AlInGaN | 525 | water clear | 110 | 300 | 120° | |
| KPT-3216VGC-A | InGaN | 525 | water clear | 50 | 180 | 120° | |
| KPT-3216VGC-Z | InGaN | 535 | water clear | 380 | 800 | 120° | |
| KPT-3216QBC-D | AlInGaN | 470 | water clear | 50 | 100 | 120° | |
| KPT-3216PBC-A | InGaN | 470 | water clear | 18 | 60 | 120° | |
| KPT-3216PBC-J | InGaN | 470 | water clear | 50 | 160 | 120° | |

NOTE:

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