

KP-2012

KPT-2012

KP-3216

| 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°          | <b>2.0mm x 1.2 mm x 1.1mm (0805)</b><br><br>Units : mm(inch)<br>Tolerance : ±0.1(0.004) |
| 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° | <b>2.0mm x 1.2mm x 0.75mm (0805 Super Thin)</b><br><br>Units : mm(inch)<br>Tolerance : ±0.1(0.004) |
| 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° | <b>3.2mm x 1.6mm x 1.1mm (1206)</b><br><br>Units : mm(inch)<br>Tolerance : ±0.2(0.0079) |
| 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.