

# Photodiodes

Ta=25°C

| Device No  | Lens Color  | Sensitive Wavelength |                | Open circuit<br>VOC(V) | Dark Current (Max) |       | Light Current ( typ) |       |                       | Angle<br>20W | Fig  |
|------------|-------------|----------------------|----------------|------------------------|--------------------|-------|----------------------|-------|-----------------------|--------------|------|
|            |             | $\lambda_p$ (nm)     | $\lambda$ (nm) |                        | Id(nA)             | VR(V) | Ip(uA)               | VR(V) | Ev                    |              |      |
| HPDCL-155C | water clear | 900                  | 500~1100       | 0.41                   | 30                 | 10    | 16                   | 10    | 1000Lux               | 140          | 1-10 |
| HPDMIB-4D  | water clear | 900                  | 500~1100       | 0.39                   | 30                 | 10    | 10                   | 10    | 1000Lux               | 24           | 1-11 |
| HPDB1-48D  | water clear | 900                  | 500~1100       | 0.39                   | 30                 | 10    | 10                   | 10    | 1000Lux               | 40           | 1-12 |
| HPDB3b-12D | black       | 900                  | 760~1000       | 0.39                   | 30                 | 10    | 7                    | 10    | 0.5mw/cm <sup>2</sup> | 20           | 1-13 |
| HPDB5-12D  | black       | 900                  | 760~1000       | 0.39                   | 30                 | 10    | 10                   | 10    | 0.5mw/cm <sup>2</sup> | 30           | 1-14 |
| HPDB5-12E  | black       | 900                  | 760~1000       | 0.41                   | 30                 | 10    | 15                   | 10    | 0.5mw/cm <sup>2</sup> | 30           |      |
| HPDB5X-42D | water clear | 900                  | 500~1100       | 0.39                   | 30                 | 10    | 40                   | 10    | 1000Lux               | 10           | 1-15 |
| HPDB5k-15A | black       | 900                  | 760~1000       | 0.39                   | 30                 | 10    | 25                   | 10    | 0.5mw/cm <sup>2</sup> | 150          | 1-16 |
| HPDR3K-15A | black       | 900                  | 760~1000       | 0.39                   | 30                 | 10    | 17                   | 10    | 0.5mw/cm <sup>2</sup> | 150          | 1-17 |
| HPDR3K-45A | water clear | 900                  | 500~1100       | 0.39                   | 30                 | 10    | 60                   | 10    | 1000Lux               | 150          |      |

Dimension:

Unit : mm. Tolerance:0.25mm.

