

# DATA SHEET

|             |                   |
|-------------|-------------------|
| DESCRIPTION | PHOTO DIODE ARRAY |
| APPLICATION | PHOTO SENSOR      |
| ISSUED DATE | 2023-01-28        |



Opto Device Technology

# Photo Diode Array Elements Specification

| No. | 제품명            | Common  | Chip Specification           |                            |                                                       | Application                             | Remark |
|-----|----------------|---------|------------------------------|----------------------------|-------------------------------------------------------|-----------------------------------------|--------|
|     |                |         | Size                         | Thickness                  | Pad Size                                              |                                         |        |
|     |                |         | (mm×mm)<br>(mil×mil)         | ( $\mu$ m)<br>(mil)        | ( $\mu$ m× $\mu$ m)<br>(mil×mil)                      |                                         |        |
| 1   | OSD-1001       | Cathode | 1.0*3.0<br>(39.37*118.11)    | 280<br>(11.02)             | 600*200<br>(23.62*7.87)                               | 1,2,4,8,16,20,24,48<br>Cells Adjustable |        |
| 2   | OSD-1002       | Cathode | 2.0*8.0<br>(78.74*314.96)    | 280<br>(11.02)             | 1400*900<br>(55.12*35.43)                             | 1,2,4,8,16,20,24,48<br>Cells Adjustable |        |
| 3   | OSD-1003       | Cathode | 5.6*5.4<br>(220.47*212.60)   | 280<br>(11.02)             | 500*1000<br>(19.69*39.37)                             | Encoder                                 |        |
| 4   | OSD-1004N1     | Cathode | 6.5*9.7<br>(255.91*381.89)   | 280<br>(11.02)             | 900*1000<br>(35.43*39.37)                             | Encoder                                 |        |
| 5   | OSD-1005       | Cathode | 5.4*5.0<br>(212.60*196.85)   | 290, 400<br>(11.42, 15.75) | –                                                     | Encoder                                 |        |
| 6   | OSD-1006       | Cathode | 0.5*2.0<br>(19.69*78.74)     | 280<br>(11.02)             | 300*200<br>(11.81*7.87)                               | 1,2,4,8,16,20,24,48<br>Cells Adjustable |        |
| 7   | OSD-1007       | Cathode | 5.0*20.0<br>(196.85*787.40)  | 300<br>(11.81)             | 3500*800<br>(137.8*31.5)                              | 1,2,4,8,16 Cells<br>Adjustable          |        |
| 8   | OSD-1008       | Cathode | 5.0*4.0<br>(196.85*157.48)   | 290<br>(11.42)             | 600*700<br>(23.62*27.56)                              | Encoder                                 |        |
| 9   | OSD-1009       | Cathode | 1.0*4.5<br>(39.37*177.17)    | 280<br>(11.02)             | 700*300<br>(27.56*11.81)                              | 1,2,4,8,16,20,24,48<br>Cells Adjustable |        |
| 10  | OSD-1010       | Cathode | 6.3*4.9<br>(248.03*192.91)   | 280<br>(11.02)             | 900*900<br>(35.43*35.43)                              | Encoder                                 |        |
| 11  | OSD-1011       | Cathode | 3.8*4.0<br>(149.61*157.48)   | 280<br>(11.02)             | 1000*350<br>(39.37*13.78)<br>800*380<br>(31.50*14.96) | Encoder                                 |        |
| 12  | OSD-1012       | Cathode | 4.1*2.54<br>(161.42*100.0)   | 400<br>(15.75)             | 700*2040<br>(27.56*80.31)                             | 1,2,4,8,16,20,24,48<br>Cells Adjustable |        |
| 13  | OSD-1013       | Cathode | 1.0*5.8<br>(39.37*228.35)    | 280<br>(11.02)             | 200*200<br>(7.87*7.87)                                | 1,2,4,8,16,20,24,48<br>Cells Adjustable |        |
| 14  | OSD-1015       | Cathode | 1.0*3.0<br>(39.37*118.11)    | 280<br>(11.02)             | 150*150<br>(5.91*5.91)                                | 1,2,4,8,16,20,24,48<br>Cells Adjustable |        |
| 15  | OSD-1375       | Cathode | 2.0*6.5<br>(78.74*255.91)    | 280<br>(11.02)             | 600*1075<br>(23.62*42.32)                             | 1,2,4,8,16,20,24,48<br>Cells Adjustable |        |
| 16  | OSD-1380480    | Cathode | 3.8*4.8<br>(149.61*188.98)   | 280<br>(11.02)             | 150*150<br>(5.91*5.91)                                | Encoder /<br>UV Sensing                 |        |
| 17  | OSD-1380620    | Cathode | 3.8*6.2<br>(149.61*244.09)   | 280<br>(11.02)             | –                                                     | Encoder /<br>UV Sensing                 |        |
| 17  | OSD-1440       | Cathode | 4.4*4.4<br>(173.23*173.23)   | 400<br>(15.75)             | 800*600<br>(31.50*23.62)                              | Encoder                                 |        |
| 18  | OSD-1440410    | Cathode | 4.4*4.1<br>(173.23*161.42)   | 280<br>(11.02)             | 200*200<br>(7.87*7.87)                                | Encoder                                 |        |
| 19  | OSD-1600       | Cathode | 6.0*6.0<br>(236.22*236.22)   | 280<br>(11.02)             | –                                                     | Encoder                                 |        |
| 20  | OSD-11000      | Cathode | 10.0*10.0<br>(393.7*393.7)   | 400<br>(15.75)             | –                                                     | PSD                                     |        |
| 21  | OSD-DMKH       | Cathode | 12.19*0.77<br>(479.92*30.32) | 280<br>(11.02)             | Φ140<br>(Φ5.51)                                       | 1,2,4,8,16,20,24,48<br>Cells Adjustable |        |
| 22  | OSD-1K50900    | Cathode | 19.5*9.0<br>(767.72*354.33)  | 330<br>(12.99)             | 700*390<br>(27.56*15.35)                              | Encoder                                 |        |
| 23  | OSD-1K50900N   | Cathode | 19.5*9.0<br>(767.72*354.33)  | 330<br>(12.99)             | 700*390<br>(27.56*15.35)                              | Encoder                                 |        |
| 24  | OSD-1K63900A-3 | Cathode | 19.63*9.0<br>(772.83*354.33) | 300<br>(11.81)             | 690*695<br>(27.17*27.36)                              | Encoder                                 |        |

