

## **5000-10000mW 808nm Infrared Laser**

### **FEATURES**

Miniature size  
Collimated straight beam  
Adjustable focus  
Easy use & maintenance free  
Longlife operation  
High efficiency  
High reliability

### **APPLICATIONS**

Thermal printing  
Material Inspection  
Scanning Biochemistry  
Lidar

### **Specifications**

|                                |                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Model No.                      | FU808AD5W-F100(5000mW) FU808AD6W-F100(6000mW)<br>FU808AD7W-F100(7000mW) FU808AD8W-F100(8000mW)<br>FU808AD10W-F100(10000mW) |
| Wavelength                     | 808(+/-5) nm                                                                                                               |
| Spatial Mode                   | multimode                                                                                                                  |
| Output Power                   | 5000mW, 6000mW, 7000mW, 8000mW, 10000mW                                                                                    |
| Operation Mode                 | CW or Modulation                                                                                                           |
| Polarization                   | 10:1                                                                                                                       |
| Pointing Stability             | <0.05 mrad                                                                                                                 |
| Beam Size                      | 6 mm                                                                                                                       |
| Beam Divergence                | 2.5 mrad                                                                                                                   |
| Power Stability*               | <±3% per 2 hrs                                                                                                             |
| Beam Height                    | 29mm                                                                                                                       |
| Temperature Stabilizing        | TEC                                                                                                                        |
| Warm Up Time                   | <5 minutes                                                                                                                 |
| Beam Quality (M <sup>2</sup> ) | <2                                                                                                                         |
| Operating Temperature          | 20~30°C                                                                                                                    |
| Storage Temperature            | 10~50°C                                                                                                                    |
| MTTF**                         | 10,000 hrs                                                                                                                 |
| Laser head dimensions          | 155(L)x77(W)x60(H)mm3                                                                                                      |
| Power supply                   | 178(W)x197(D)x84(H)mm3 85~265V 50/60Hz input                                                                               |
| Modulation                     | 0~30khz Analog or TTL                                                                                                      |

