



**FL-450-5000**

| Optical characteristics (typ.)                 |   |
|--|---|
| Central wavelength (nm typ.)                   | 450   |
| Central wavelength tolerance (nm)              | ± 5   |
| Linewidth (nm typ.)                            | ≤ 5 nm; 2 nm typical                                      |
| Transverse mode                                | multi   |
| Output power (mW typ.)                         | 4500  |
| Operation mode                                 | CW / modulated  |
| Power stability (p-p) over 8 hrs within ± 3 °K | <1 % within ± 3 °K  |
| Fiber details                                  |   |
| Fiber Core / NA                                | 105 μm / 0.22<br>(other on request)                       |
| Fiber length                                   | ≥ 1 m<br>(other lengths on request)                       |
| Connector                                      | SMA905<br>(other connectors or bare fiber end on request) |
| Connector ferrule material                     | Ceramic<br>(stainless steel on request)                   |
| Modulation                                     |   |
| MHz  | >100  |
| Electrical characteristics                     |   |
| Threshold current (mA)                         | 425 typ.  |
| Operating current (mA)                         | 4000 max.   |
| Operating voltage (V)                          | 4.5 typ.  |
| General information                            |   |
| Heat management                                | 18 W heat load at the bottom side of the laser head       |
| Dimensions (mm <sup>3</sup> )                  | 50 x 21 x 21  |
| Options  |   |
| Attachements                                   | fiber collimator for SMA threaded collimators             |



