

## 980 nm laser diode 10 W- 105 μm fiber – 0.15 NA

Reference: 980LD-3-0-0

Technology : Single emitter Multimode

| SPECIFICATIONS  | Unit         | Min  | Typ  | Maximum |
|---|--------------|------|------|---------|
| Output Power  | W            | 10   |      |         |
| Center Wavelength   | nm           | 965  | 975  | 985     |
| Spectral Width (FWHM)                                       | nm           |      | 3.5  | 7       |
| Threshold Current   | A            |      | 0.55 | 0.9     |
| Operating Current   | A            |      | 11.7 | 12.5    |
| Operation Voltage   | V            |      | 1.75 | 2.2     |
| Wavelength shift w Temperature                              | nm/°C        |      | 0.3  |         |
| Wavelength shift w current                                  | nm/A         |      | 1.0  |         |
| Feedback isolation  | nm           | 1020 |      | 1200    |
|   | Isolation    | 30   |      |         |
| Slope Efficiency  | W/A          |      | 0.9  |         |
| Fiber Buffer/tube Diameter                                  | μm           |      | 250  |         |
| Fiber Clad Diameter   | μm           |      | 125  |         |
| Fiber Core Diameter   | μm           |      | 105  |         |
| Numerical Aperture  | NA           |      | 0.15 |         |
| Storage case temperature                                    | °C           | -30  |      | 70      |
| Operating case temperature                                  | °C           | 15   |      | 55      |
| Soldering Temperature                                       | °C           |      |      | 260     |
| Soldering time  | s            |      |      | 10      |
| Fiber connector   | Yes (SMA905) |      |      |         |
| Fiber bend radius   | mm           | 37.5 |      |         |
| Please solder the pins when the level of current is over 6A |              |      |      |         |

Form factor:

