880nm, 400µm, Conduction-Cooled, Single Bar, Fiber-Coupled Module

**Features**
- High coupling efficiency
- High brightness
- Sealed housing
- Standard fiber coupling (HP-SMA) for 400µm NA 0.22

### Device Specification

| **Optical Parameters**
| **Units**
| **Center Wavelength Range** | nm | 880 |
| **Center Wavelength Tolerance** | ±3 | ±3 |
| **Output Power** | W | 30 |
| **Spectral Width (FWHM)** | nm | 5 |
| **Slope Efficiency** | W/A | >0.9 |
| **Wavelength Temp. Coefficient** | nm/°C | ~0.30 |

| **Fiber Parameters**
| **Units**
| **Numerical Aperture** | NA | 0.22 |
| **Fiber Core Diameter** | µm | 400 |

| **Electrical Parameters**
| **Units**
| **Power Conversion Efficiency** | % | >45 |
| **Threshold Current (I_{TH})** | A | <14 |
| **Operating Current (I_{OP})** | A | <45 |
| **Operating Voltage (V_{OP})** | V | <1.9 |

| **Thermal Parameters**
| **Units**
| **Operating Temperature** | °C | +20 to +30 |
| **Storage Temperature** | °C | 0 to +55 |
| **Recommended Heatsink Capacity** | W | >70 |

**Optional**
- True unpolarized output is available as an option.

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1. Data at 25°C cold plate temperature.
2. Reduced lifetime if used above nominal operating conditions.
3. Others available upon request.
4. A non-condensing environment is required for storage and operation below the ambient dew point.
5. Low numerical aperture option available at 0.12 for 800µm.
## Package Dimension

### Module M1F-SS2.1
(Optional monitor photo diode and temperature sensor/NTC)

![Module M1F-SS2.1 Diagram](image1)

### Module M1F-SS5.2
(Includes pointer, monitor photo diode, temperature sensor/NTC and fiber interlock)

![Module M1F-SS5.2 Diagram](image2)

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