

600µm, 1940nm Conduction Cooled Single Bar Fiber Coupled Module

Features

- High coupling efficiency
- High brightness
- Sealed housing
- Standard fiber coupling (HP-SMA)

Optional Accessories

- Integrated pilot laser (MF-WP Module)
- Interchangeable protective glass
- Temperature control for fiber connector
- Fiber detection sensor



Device Specification

Optical ¹	Units	
Center Wavelength Range ³	nm	1940
Center Wavelength Tolerance	nm	±20
Output Power ²	W	6
Spectral Width (FWHM)	nm	<15
Slope Efficiency	W/A	>0.18
Wavelength Temp. Coefficient ³	nm/°C	~1.2

Fiber Parameters		
Numerical Aperture	NA	0.22
Fiber Core Diameter	µm	600
Fiber Connector		HP-SMA 905 with Free Standing Fiber Tips

Electrical Parameters		
Power Conversion Efficiency	%	>13
Threshold Current (I _{TH})	A	<7
Operating Current (I _{OP})	A	50
Operating Voltage (V _{OP})	V	<1.2

Thermal Parameters		
Operating Temperature ^{3, 4}	°C	+20 to +30
Storage Temperature ⁴	°C	0 to +55
Recommended Heatsink Capacity	W	90

¹Data at 25°C cold plate temperature.

²Reduced lifetime if used above nominal operating conditions.

³Additional information available upon request.

⁴A non-condensing environment is required for storage and operation below the ambient dew point.

