

FITEL HPU50211(Red) is a fiber-coupled diode laser source with excellent performance suitable for biomedical application. This module offers high reliability and stability characteristics based on our packaging technologies which originated in Furukawa's telecom components. PATPEND

Features

- Fiber-coupled diode laser source
- Maintenance-free package
- Fully compliant to RoHS requirement
- Compact, light weight and low power consumption
- Excellent wavelength precision and power stability
- Polarization maintained delivery fiber with good beam quality
- Output option (FC-connector or collimator) available
- Remote control by RS-232C interface
- DC external power supply +5V

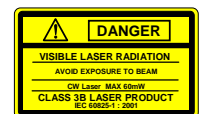


Specification	FC-connector type	Collimator type	Note
Wavelength	635nm +8nm/-4nm 660nm +/- 7nm		
Max optical power	12mW @ 635nm 20mW @ 660nm		Low power version is available upon request
Spatial mode	M ² < 1.1, beam asymmetry < 1.1		TEM00
Pointing stability	< 10μrad		Below measurement limit
1/e ² beam diameter	0.004 +/- 0.001mm	0.7 +/- 0.15mm	
Beam divergence		< 1.25mrad	
NA (Numerical Aperture)	< 0.1 +/- 0.015		
Noise	< 0.5% RMS		@ 20Hz~10MHz
Power deviation	< 2.0%		@ 2hrs, +/-3°C
Operating temperature	10 ~ 40°C		Surface temperature / non condensing
Dimensions / weight	70(W) × 125(D) × 34(H) mm /300g		One main body including driver and controller
Power consumption	< 7W		
Power supply	+5VDC		
Remote interface	RS-232C		HD-D-sub15 connector female

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