



## FFL-50W-808-FC

### Conduction Cooled Fiber Coupled Laser Diode (CW)

#### Optical Specification

Operating parameters	Symbol		Unit
Centre Wavelength	$\lambda$	808	nm
Wavelength Tolerance		$\pm 3$	nm
Power output	$P_o$	50	W
Slope efficiency		$\geq 0.7$	W/A
Spectral Width (FWHM)		$\leq 4$	nm
Recommended Heatsink Capacity		$\geq 80$	W
Wavelength Temp. Coefficient		0.28	nm/°C

#### Fiber Specification

Operating parameters			Unit
Core Diameter		400	$\mu\text{m}$
Numerical Aperture		0.22	
Connector Type		SMA 905	
Fiber Length		1.5	

#### Electrical Specification

Operating parameters	Symbol		Unit
Threshold Current	$I_{th}$	$\leq 15$	A
Power Conversion Efficiency		$\geq 40$	%
Operating Voltage	$V_{op}$	$\leq 2$	V
Operating Current	$I_{op}$	$< 68$	A

Operating Temperature 15 – 30 °C  
 Storage Temperature 0 – 55 °C

# PACKAGING SPECIFICATION

