

High-Power, Wide-Band Semiconductor Optical Amplifier



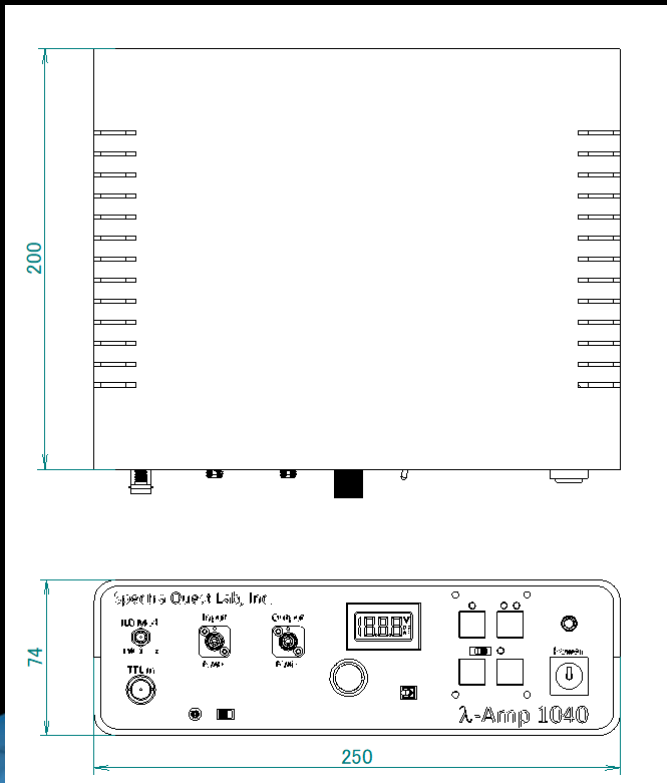
- High PM-Fiber output over 500 mW.
- Free-Space output type available (max. 1 W).
- Built-in output isolator (Only fiber output type).
- Easy-to-use integrated controller housing.
- High output power stability due to built-in TEC.
- Output modulation by AWG input (BW: 1 MHz).
- Available in 1040, 950 nm band.



[Specifications]

Parameter	MIN	TYP	MAX	UNIT
Gain Band (>30dB Gain)	920 1,000		1,000 1,080	nm
Fiber Coupling Efficiency Maximum Wavelength (λ_c)	Specify when ordering			nm
PM-Fiber Output		500		mW
LD Current (920nm - 950nm) (950nm - 1,000nm) (1,000nm - 1,080nm)			1.2 2.0 2.0	A
Power Stability		1		%/h
Polarization Extinction Ratio	20			dB
Isolation ($\lambda_c \pm 10$ nm)	20		35	dB
LD Current Modulation Bandwidth	1			MHz
Fiber Connector	FC/APC, narrow key, slow axis aligned			
Dimension	W250mm x D200mm x H74mm			

[Mechanical Drawing]



[Optical Characteristics]

