

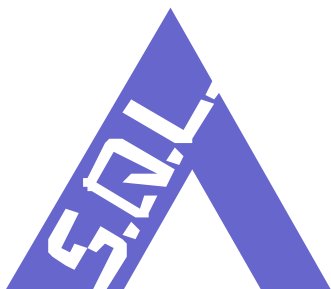
λ -Amp 1040



1 μ m Broad Band Semiconductor Optical Amplifier

“Maximum Performance together with λ -Master 1040 “

- **Broad Band Gain** : 990~1085nm (>30dB)
- **High Power Output** : >1W (@ 2.5A)
- **High Beam Quality** : M^2 : <1.1
- **Wide Band Fiber Coupling** : > 50% for 990~1085nm
- **Auto Power Control** : vs time & λ -sweep



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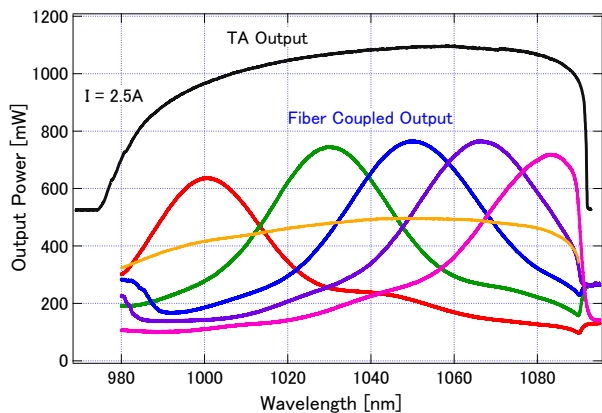
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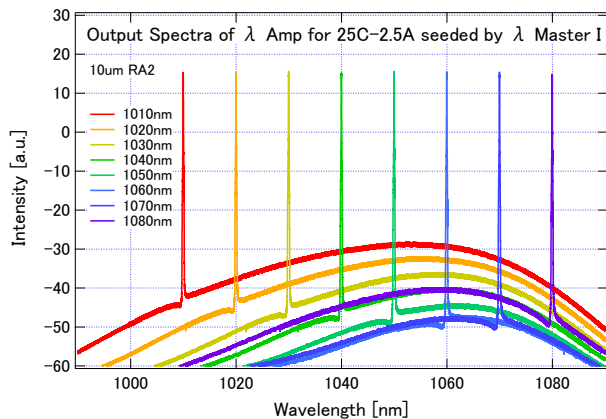
<http://spectraquestlab.com>



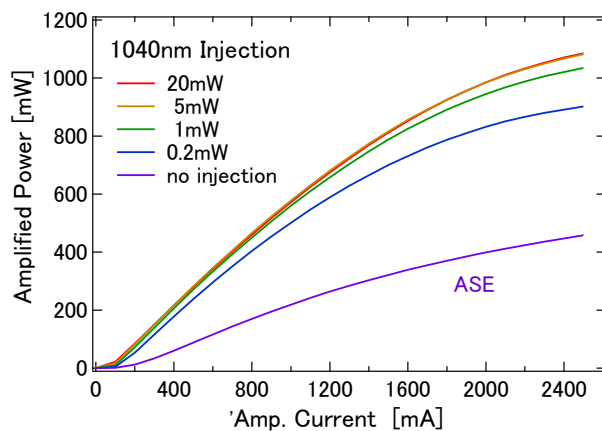
* These figures show typical data, not the guaranteed performances.



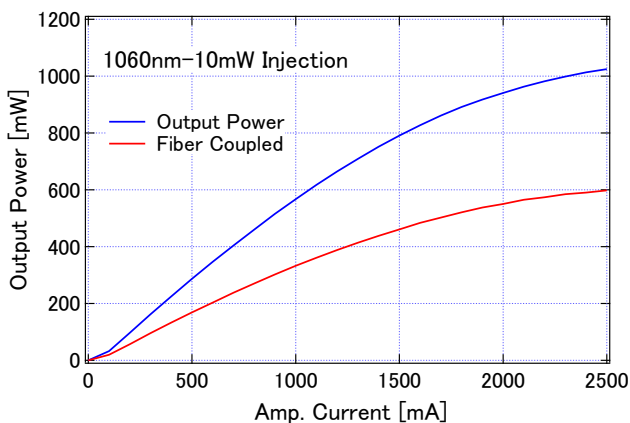
High Power & Wide Band Output



Output Spectra



High Optical Gain



Stable Fiber Coupling

Specifications	λ-Amp 1040	Comments
Gain Band (>30dB)	1000~1085nm	920~990nm is also available , λ-Amp 950
Input Beam	1~100mW	PM Fiber Input with FC/APC Connector
Max. Output Power	> 1W (>800mW)	without Isolator (with Isolator)
Output Beam Size	2.5x2.5mm ²	nearly circular
Narrow Band Fiber Coupling	> 70%	any wavelength (no Dispersion Compensation)
Broad Band Fiber Coupling	> 50%	1000~1085nm, with Dispersion Compensation
Optical Isolation	>25dB	Narrow- or Broad- Band Isolator is available
APC Control	10~100% of Full Pow.	
Maximum Current	2500mA	
Typical Dimension	90x120x280mm ³	Length changes with contents
Typical Weight	2kg	Weight changes with contents

* Specifications may change without notification.