

Product Test Sheet

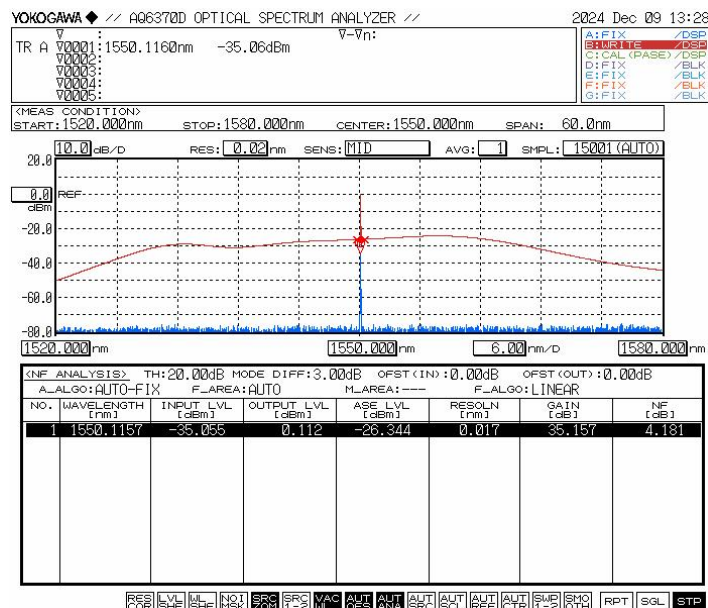
Product Name: Erbium-Doped Fiber Amplifier

Product Code: EDFA-C-PA-35-SM-M

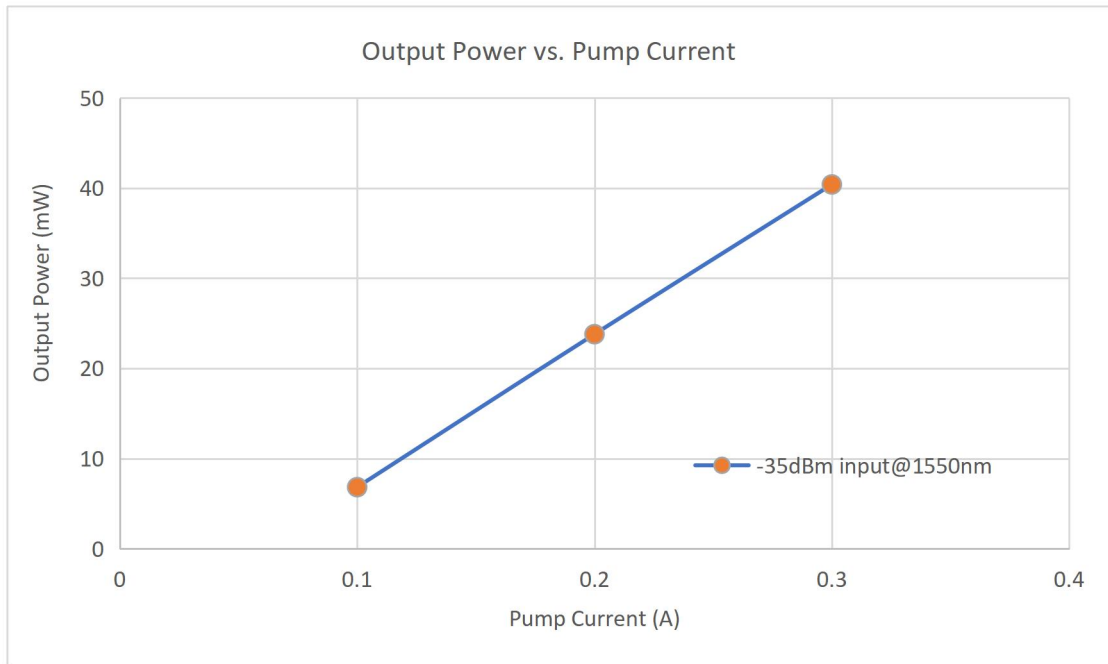
Serial Number: 24112202

Specification	Unit	Min	Typical Value	Max	Remarks
Operating Wavelength	nm	1530		1565	
Optical Input Power	dBm	-35		25	CW
Gain	dB		35		@ -35dBm input, 100mA
Noise Figure	dB			5	
Polarization dependent Gain	dB			0.3	
Polarization mode Dispersion	ps			0.5	
In /Out port Isolation	dB		35		
Operation Temperature Range	°C	-5		+45	
Operation Humidity Range	%			70	
Fiber Connector		FC/APC			
Input / Output Fiber Type		SMF-28, Φ 2mm \times 1m			
Power Supply	-	DC 5V/3A			EU Standard
Dimensions	mm	125(W) \times 150(D) \times 20(H)			Module
Remote Control Port	-	DB9-RS232			
Software Version		EDFA Ctrl-V20220708			
Control Mode	-	ACC: Automatic Pump Current		Current Tuning Range: 0~300mA	
		APC: Automatic Power Control		Power Tuning Range: 3~30mW	

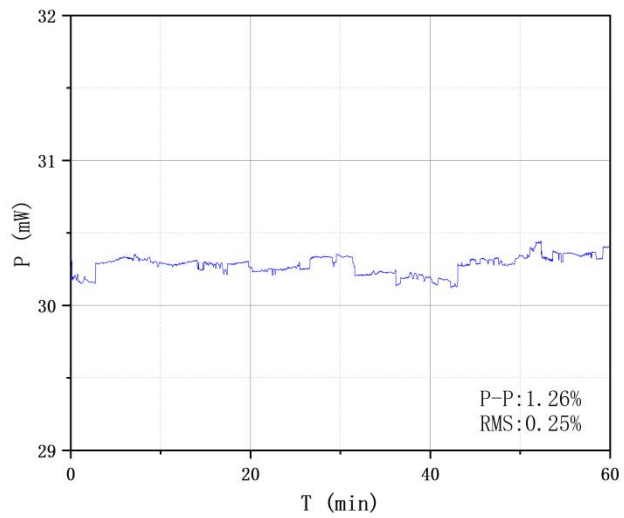
*Note: If the input signal is a pulsed laser with a repetition frequency <300kHz, do not use the APC mode, only the ACC mode.



Optical Spectrum of Amplified 1550.12nm signal
(-35dBm input power, 35dB Gain @100mA current)



Output Power vs. Pump Current Curve



Power stability test @30mW, -35dBm input, APC mode

Passed By: _____ Date: 2024-12-09