Product Test Sheet

Product Name: ASE Broadband Light Source

Product Code: STASE-CL-200-T-SM-M20 (LL-ASE-CL-200-T-SMF-M)

Serial Number: 25111701

Technical Parameter

Parameter	Unit	Specification Requirement	Test Value	Test Result
Wavelength (6dB range)	nm	1528~1603	1527.2~1606.4	√Pass ☐Fail
Spectral Flatness	dB	<6(1528~1603nm)	<6	√Pass ☐Fail
Output Optical Power	mW	20~200	20~200	√Pass ☐Fail
Polarization Extinction Ratio	dB	/	0.13	√Pass ☐Fail
Peak Power Instability (PP)*	-	/	±0.05%@200mW，60min	√Pass ☐Fail
Power Instability*	-	/	0.06%@200mW，60min	√Pass ☐Fail

Basic Parameters

Operating Temperature Range	℃	-5~+50	
Operating Humidity Range	%	0~70	
Storage Temperature Range	℃	-40~+85	
Power Supply Type	-	DC 5V	National Standard
Peak Power Consumption	W	7	25℃
Fiber Connector Type	-	FC/APC	
Output Pigtail Fiber Type	-	SMF-28e Single-mode Fiber, 1 m Length	
Output Fiber Loose Tube	-	3mm loose tube, yellow	
Dimensions	mm	125(W)×150(D)×20(H)	Modular design
Upper Computer Software Version	-	Laser Controller-V20250410	
Control Method	-	Upper Computer Software	
Communication Port	-	DB9-RS232	

**Measurement Basis: GB/T 13863-2011 Test Methods for Laser Radiation Power and Power Instability*

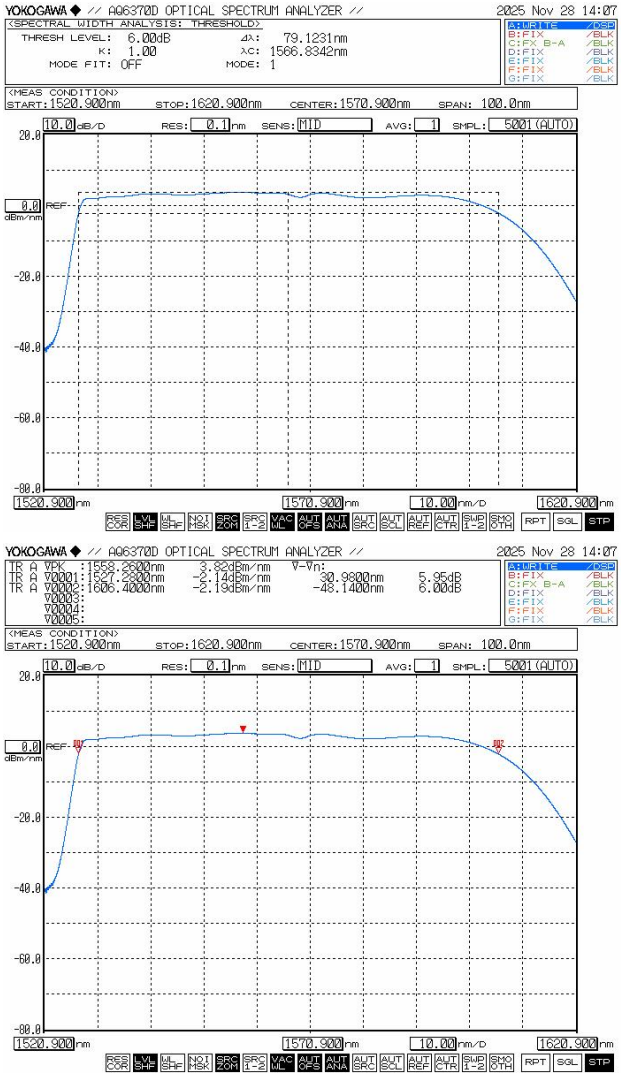
Formula for peak power instability of CW laser output power: $\Delta_{P2} = \pm \frac{P_{max} - P_{min}}{2P} \times 100\%$;

Formula for output power instability of CW laser: $\Delta_{P1} = \frac{2\Delta P_\sigma}{\overline{P}} \times 100\%$;

Where $\Delta P_\sigma = \sqrt{\frac{\sum_{i=1}^{n}(P_i - \overline{P})^2}{n-1}}$, $\overline{P} = \frac{\sum_{i=1}^{n} P_i}{n}$;

SIMTRUM China
Telephone: +86 133 2643 0008
Email:info@simtrum.com

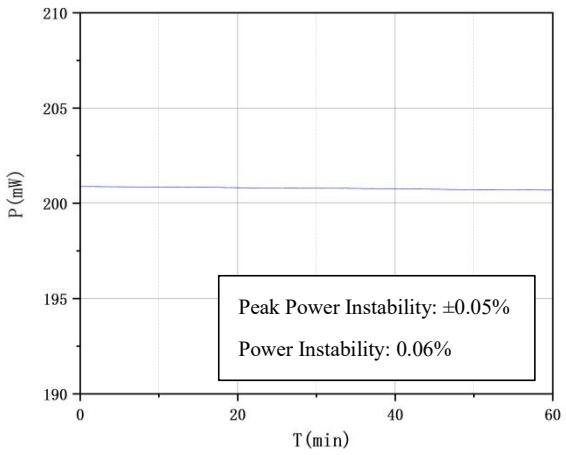
SIMTRUM Singapore
Telephone: +65 6996 0391
Email: info@simtrum.com

Spectrum Test	
Test Item	Spectral Flatness & Wavelength Range
Test Method	Attenuate the light source, connect it to an optical spectrum analyzer for measurement, and set corresponding compensation parameters
Test Equipment	Yokogawa AQ6370D
Test Result	 Spectral Testing@200mW

SIMTRUM China
Telephone: +86 133 2643 0008
Email:info@simtrum.com

SIMTRUM Singapore
Telephone: +65 6996 0391
Email: info@simtrum.com

Power Stability Test	
Test Item	Laser Power and Power Stability
Test Method	Direct measurement via optical power meter
Test Equipment	Thorlabs PM100D/S146C Optical Power Meter
Test Result	Performance better than specification requirements



Power Stability Test @200mW

Date: 2025-11-28

SIMTRUM China
Telephone: +86 133 2643 0008
Email:info@simtrum.com

SIMTRUM Singapore
Telephone: +65 6996 0391
Email: info@simtrum.com