CA9033 C+L Band ASE Broadband Light Source

Technical Specifications V2.01
Mar., 2019

CA Optronics Group INC.

www.caoptonicsgroup.com

CA9033 C+L Band ASE Broadband Light Source

The CA OPTRONICS GROUP's CA9033 C+L band broadband light source is based on ASE technology. C+L band ASE provides significantly more power density into a single-mode fiber than a regular LED and more than 90 nm wide broadband light source. It offer superior performance for the test of DWDM/CWDM components, AWG & PLC components, optical amplifiers, tele-com optical filter and other general purpose of fiber optical test and measurement applications. It is special design for volume DWDM/CWDM filter and components production line application.

CA9033 C+L band ASE broadband light source is a High Performance, Small Dimension, Fast Startup, Affordable Optical Broadband Light Source. It provides 1525 ~ 1610 nm wavelength C+L band broadband light output.

Features

- Wide broadband light output
- High spectral density
- Quick startup
- Small dimension
- Affordable price

Applications

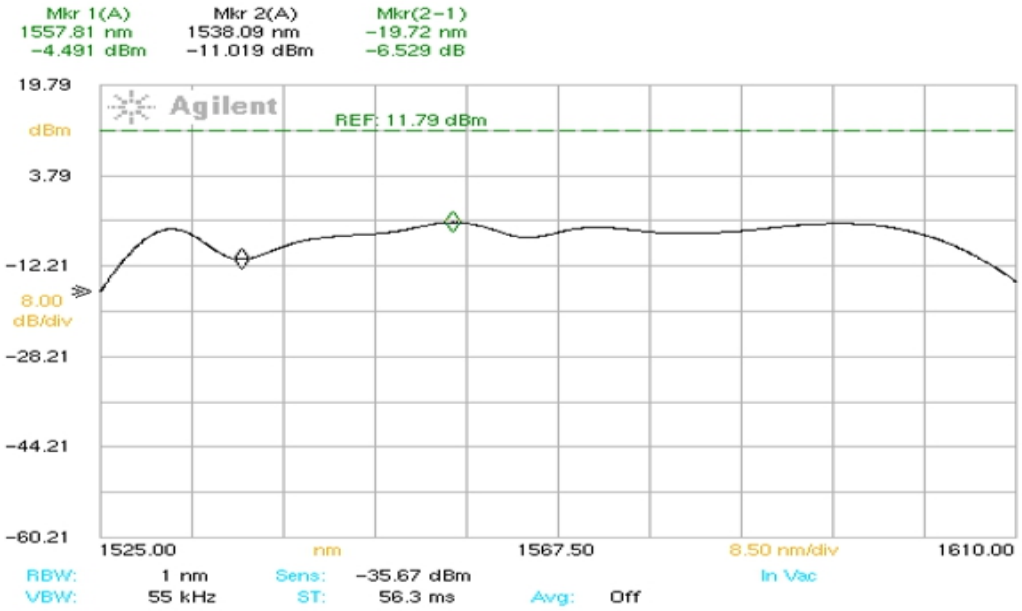
- DWDM/CWDM filter and components test
- Fiber optic parts and components spectrum analyze
- Optical Coherence Tomography (OCT)
- Fiber Sensing , Fiber Cable test
- Fiber Optical , Telcom R & D lab test

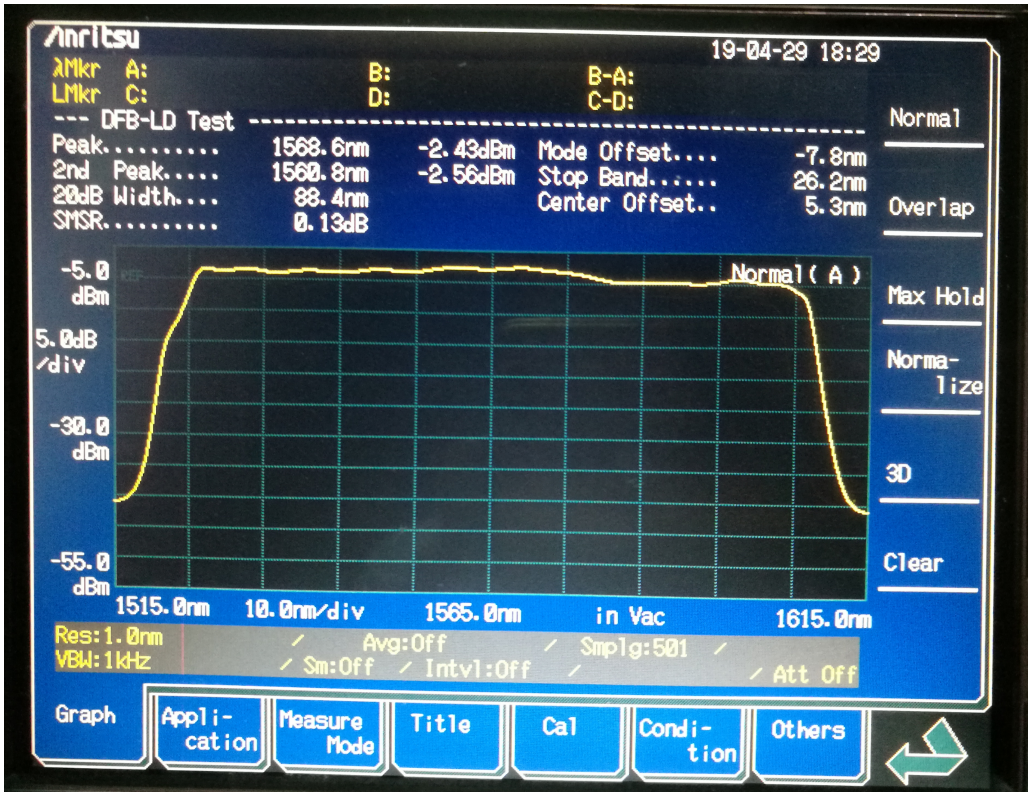
Specifications

Model #	CA9033
Operation Wavelength	**1525 ~ 1610 nm**
-10 dB Bandwide	>= 85 nm
Total Output Power	> 200 mW
Spectral Density	>= -15 dB/nm
Connector Type	FC/APC (Other Adaptor Can Be Customerized)
Spectral Density Stability within 15 mins	< +/- 0.02 dB ***
Output Power Stability within 15 mins	< +/- 0.05 dB ***
Output Power Stability within 8 hrs	<= +/- 0.1 dB ***
Operation Model	CW
Fiber Type	Single Mode SFM-28
Operation Temperature	0～ +40℃
Storage Temperature	-30～+80℃
Power Supply	AC 110 ~ 220 V ±10%, 50Hz, 20W
Dimensions	44 mm H, 224 mm W, 300 mm D
Weight	5.0 kg

*** Remark: All spectral and power stability test is base on temperature 25 Degree, temperature tolerance +/- 2 degree, power on 40 minutes , CW operation mode condition.

Typical Spectrum:





One CA9033 C+L Real Product Spectrum

CA9034 O Band SLED Broadband Light Source

Technical Specifications V2.01
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CA9034 O Band SLED Broadband Light Source

The CA OPTRONICS GROUP' s CA9034 O band broadband light source is based on SLED technology. O band SLED provides significantly more power density into a single-mode fiber than a regular LED and more than 90 nm wide broadband light source. It offer superior performance for the test of DWDM/CWDM components, AWG & PLC components, optical amplifiers, tele-com optical filter and other general purpose of fiber optical test and measurement applications. It is special design for volume DWDM/CWDM filter and components production line application.

CA9034 O band SLED broadband light source is a High Performance, Small Dimension, Fast Startup, Affordable Optical Broadband Light Source. It provides 1260 ~ 1360 nm wavelength O band broadband light output.

Features

Wide broadband light output
High spectral density
Quick startup
Small dimension
Affordable price

Applications

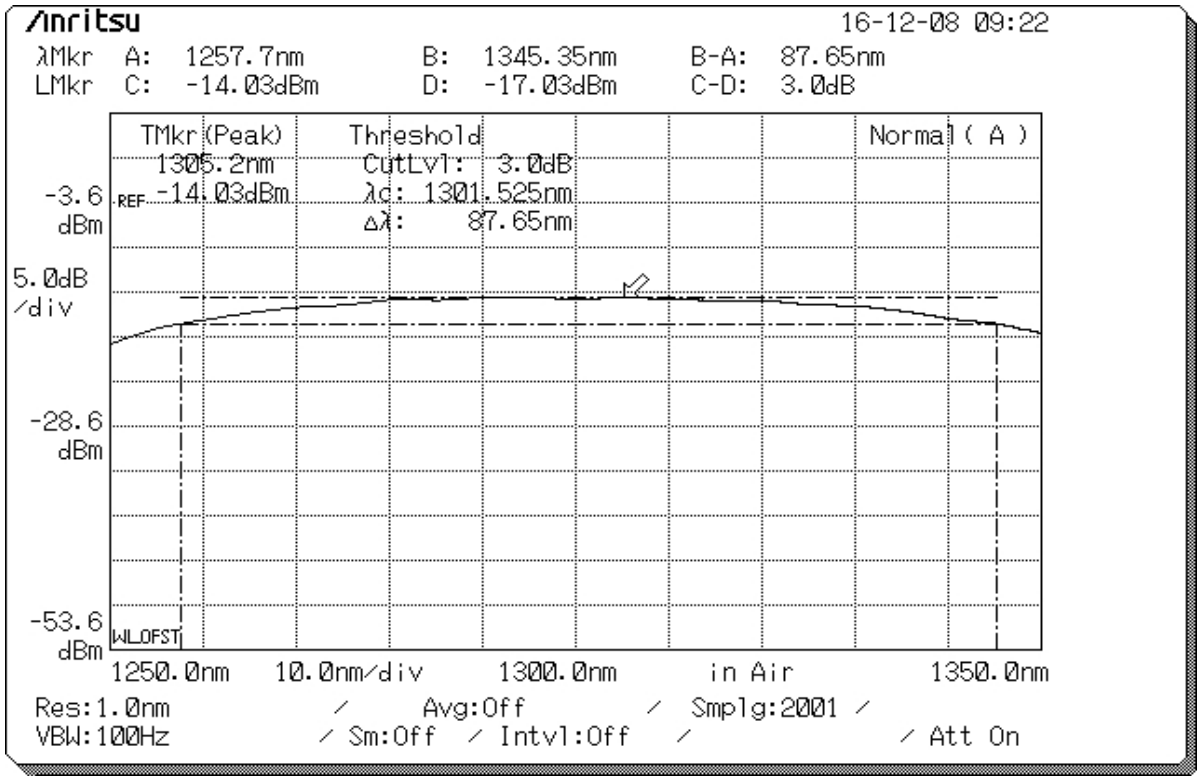
DWDM/CWDM filter and components test
Fiber optic parts and components spectrum analyze
Optical Coherence Tomography (OCT)
Fiber Sensing, Fiber Cable test
Fiber Optical, Telcom R & D lab test

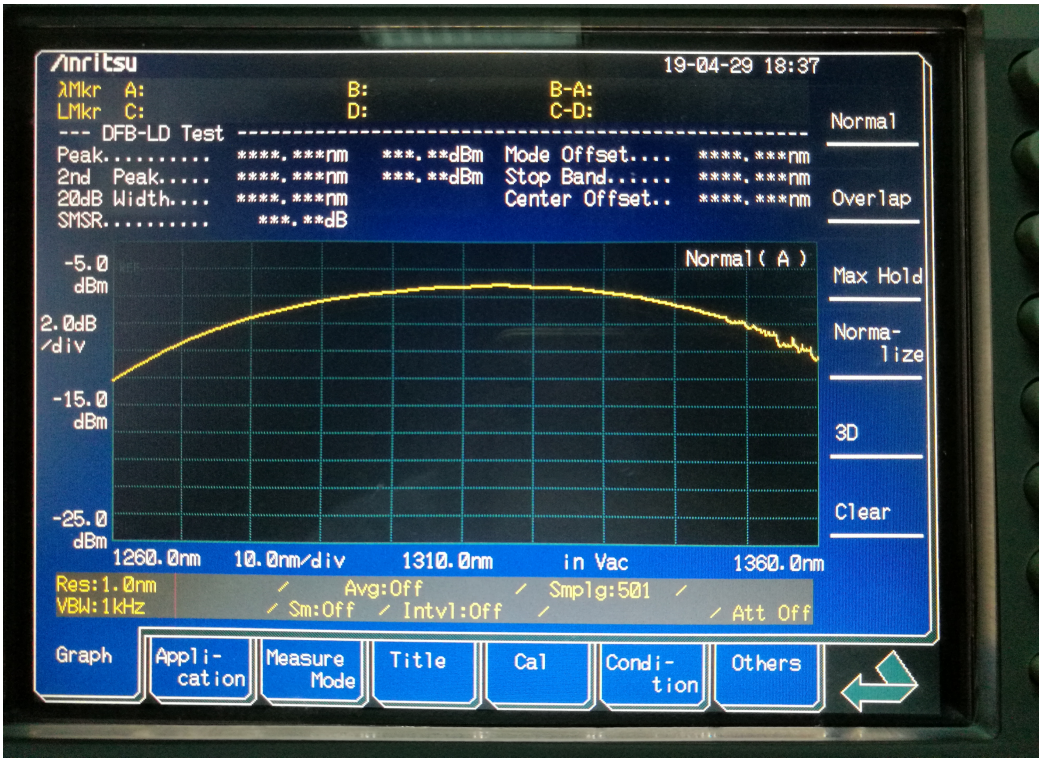
Specifications

Model #	*CA9034*
Operation Wavelength	***1260 ~ 1360 nm***
-10 dB Bandwide	*>= 100 nm*
Total Output Power	*> 10 mW*
Spectral Density	*>= -19 dB/nm*
Connector Type	*FC/APC (Other Adaptor Can Be Customerized)*
Spectral Density Stability within 15 mins	*< +/- 0.02 dB ****
Output Power Stability within 15 mins	*< +/- 0.05 dB ****
Output Power Stability within 8 hrs	*<= +/- 0.1 dB ****
Operation Model	*CW*
Fiber Type	*Single Mode SFM-28*
Operation Temperature	*0～ +40℃*
Storage Temperature	*-30～+80℃*
Power Supply	*AC 110 ~ 220 V ±10%, 50Hz, 20W*
Dimensions	*44 mm H, 224 mm W, 300 mm D*
Weight	*3.0 kg*

*** Remark: All spectral and power stability test is base on temperature 25 Degree, temperature tolerance +/- 2 degree, power on 40 minutes , CW operation mode condition.

Typical Spectrum:





One CA9034 O Band Light Source Real Testing Spectrum

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