

# UC INSTRUMENTS CA9034 O Band SLED Broadband Light Source

Technical Specifications V3.00  
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 UC INSTRUMENTS CORP.

[www.ucinstruments.com](http://www.ucinstruments.com)

# UC INSTRUMENTS CA9034 O Band SLED Broadband Light Source

The UC INSTRUMENTS' 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

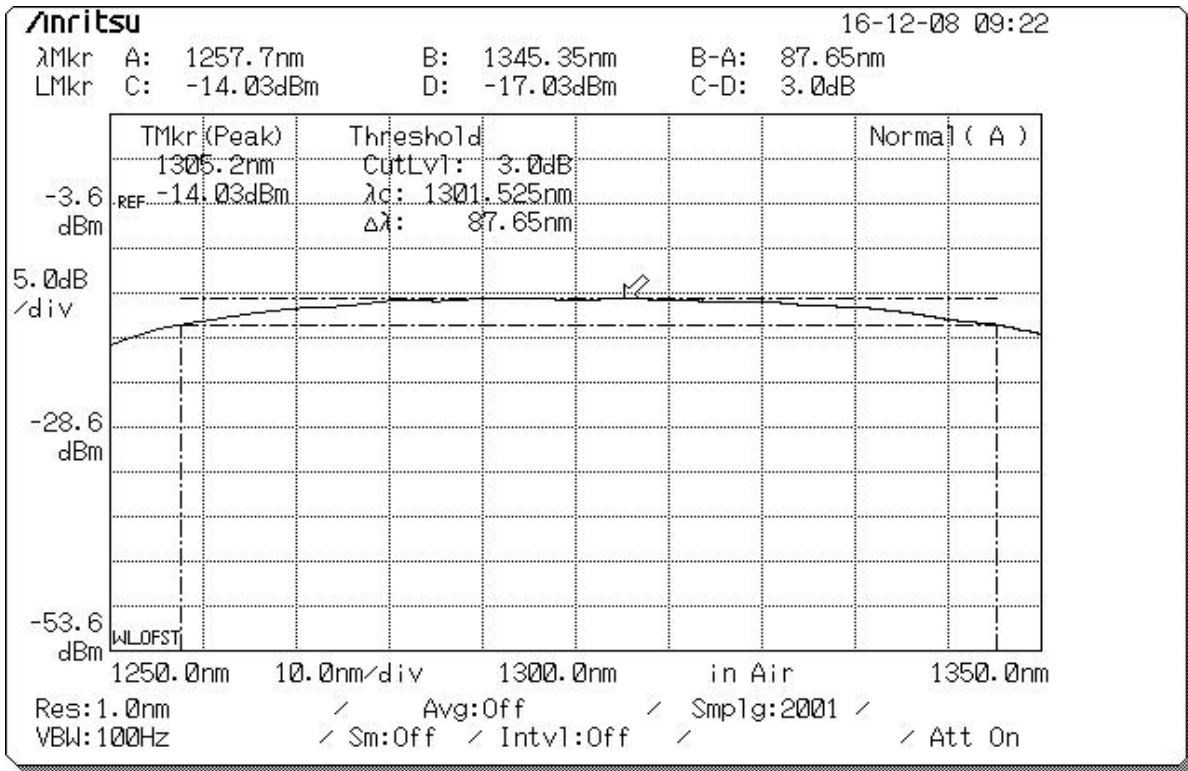
- DWDM/CWDM filter and components test
- Fiber optic parts and components spectrum analyze
- Optical Coherence Tomography (OCT)
- Fiber Sensing, Fiber Cable test
- Fiber Optical, Telcom R & D lab test

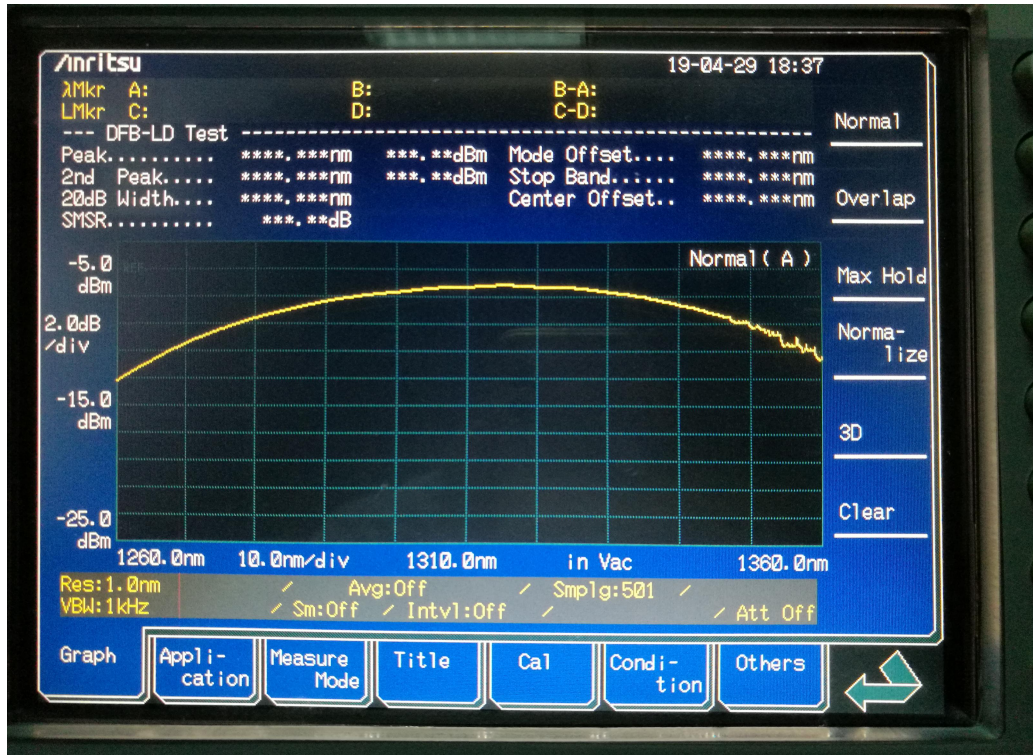
# Specifications

<b>Model #</b>	<b>CA9034</b>
<b>Operation Wavelength</b>	<b>1260 ~ 1360 nm</b>
<b>-10 dB Bandwidth</b>	<b><math>\geq 100</math> nm</b>
<b>Total Output Power</b>	<b><math>&gt; 10</math> mW</b>
<b>Spectral Density</b>	<b><math>\geq -19</math> dB/nm</b>
<b>Connector Type</b>	<i>FC/APC (Other Adaptor Can Be Customized)</i>
<b>Spectral Density Stability within 15 mins</b>	<b><math>&lt; \pm 0.02</math> dB ***</b>
<b>Output Power Stability within 15 mins</b>	<b><math>&lt; \pm 0.05</math> dB ***</b>
<b>Output Power Stability within 8 hrs</b>	<b><math>\leq \pm 0.1</math> dB ***</b>
<b>Operation Model</b>	<b>CW</b>
<b>Fiber Type</b>	<b>Single Mode SFM-28</b>
<b>Operation Temperature</b>	<b><math>0 \sim +40</math> °C</b>
<b>Storage Temperature</b>	<b><math>-30 \sim +80</math> °C</b>
<b>Power Supply</b>	<i>AC 110 ~ 220 V <math>\pm 10\%</math>, 50Hz, 20W</i>
<b>Dimensions</b>	<b>44 mm H, 224 mm W, 300 mm D</b>
<b>Weight</b>	<b>3.0 kg</b>

\*\*\* 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

## UC INSTRUMENTS' Test and Measurement Support, Services and Assistance

UC INSTRUMENTS provides high performance, high value, low cost, affordable test and measurement instruments solution for our customers. Our extensive support sources can help you choose right UC INSTRUMENTS' products for your application and apply them successfully. Every instruments and system we sell a global warranty. All of our instruments with at least 18 months factory warranty.

## Contact Information

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Product specifications and descriptions in this documentation subject to change without notice.

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