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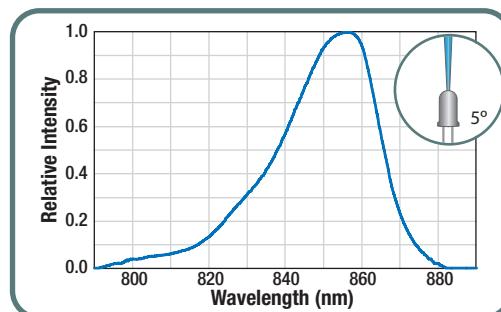
Optical Amplifiers

 $\lambda = 850$ nm, $P = 2.4$ mW Point Source LED

- Point Source, 5° Viewing Full Angle
- TO-18 Package



CHARACTERISTIC (Ta = 25 °C)	MIN	TYPICAL	MAX
Peak Wavelength	835 nm	850 nm	—
Optical Power @ 50 mA, CW	1.8 mW	2.4 mW	—
Spectral Half Width	—	12.5 nm	—
Viewing Full Angle	—	5°	—
Forward Current	—	—	100 mA
Reverse Voltage	—	—	5.0 V
Forward Voltage @ 50 mA	—	1.8 V	2.2 V
Operating Temperature	-30 °C	—	100 °C
Storage Temperature	-40 °C	—	125 °C



ITEM #	\$	£	€	RMB	DESCRIPTION
LED850PS	\$ 10.76	£ 7.75	€ 9.36	¥ 85.76	Point Source LED, 850 nm, 2.4 mW, TO-18

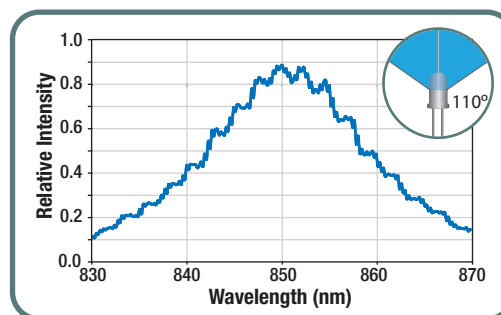
 $\lambda = 850$ nm, $P = 8$ mW LED

- LED with Glass Window
- TO-18 Package



CHARACTERISTIC (Ta = 25 °C)	MIN	TYPICAL	MAX
Peak Wavelength	835 nm	850 nm	865 nm
Optical Power @ 20 mA, CW	—	8 mW	—
Spectral Half Width	—	20 nm	—
Viewing Full Angle	—	110°	—
Forward Current	—	—	100 mA
Pulsed Forward Current*	—	—	1000 mA
Reverse Voltage	—	—	5 V
Forward Voltage @ 20 mA	—	—	1.7 V
Operating Temperature	-30 °C	—	90 °C
Storage Temperature	-30 °C	—	100 °C

*0.1 ms Pulse with 10% Duty Cycle



ITEM #	\$	£	€	RMB	DESCRIPTION
LED851W	\$ 6.90	£ 4.97	€ 6.00	¥ 54.99	LED with Glass Window, 850 nm, 8 mW, TO-18

Have you seen our...

Optical Spectrum Analyzers

Thorlabs' new line of Optical Spectrum Analyzers (OSAs), which are based on a Fourier Transform Spectrometer design, provide a fiber-based solution to quickly and easily resolve wavelength and spectral characteristics in the visible and near infrared spectral ranges. Optimized for use with light sources in either the 350 to 1100 nm (OSA201) or 1000 to 2500 nm (OSA203) range, these OSAs provide high resolution, high signal-to-noise performance, and excellent wavelength accuracy in a simple, efficient design.

See pages 1600 - 1603



OSA201, OSA203

ITEM #	OSA201	OSA203
Wavelength Range	350 - 1100 nm	1000 - 2500 nm
Resolution	10 pm @ 633 nm 0.25 cm ⁻¹	60 pm @ 1550 nm 0.25 cm ⁻¹
Wavelength Accuracy	<1 pm	
Measurement Rate	2 Hz	