

SLED Broadband Light Source (1250 – 1650 nm)

Model #: SLED

Description: SLED super luminescence light emitting diode Broadband Source (1250 – 1650 nm)

Application: Fiber sensor, test and measurement instrument

Specifications

Parameter	Unit	Specifications
Optical Specification		
Operating Wavelength Range	nm	1250 ~ 1650
Polarization Characteristics	nm	Low
Max. Degree of Polarization	%	10
Max. Spectral Density Stability ^{(1) (2)}	dB	0.05 (4 hours)
Min. Output Power	dBm	10
Min. Spectral Density ^{(1) (2)}	dBm/nm	-30
Typ. Ripple ⁽¹⁾	dB	0.3
Max. Output Power Short Term Stability ⁽²⁾	dB	0.01dB (within 15 min.)
Max. Output Power Long Term Stability ⁽²⁾	dB	0.08dB (within 8 hours.)
Environmental Specification		
Operating Temperature	°C	0 to +50
Storage Temperature	°C	-20 to + 70
Relative Humidity	%	<95 (without condensation)
Power Supply	VAC	90 – 250 (50 – 60 Hz)
Dimension	mm	360 (W) x 300 (D) x 110 (H)

1. The wavelength resolution is 0.1 nm, except at the water absorption peak near 1390 nm
2. Test conditions are room temperature $\pm 25^{\circ}\text{C}$ and relative humidity variation range of 5%

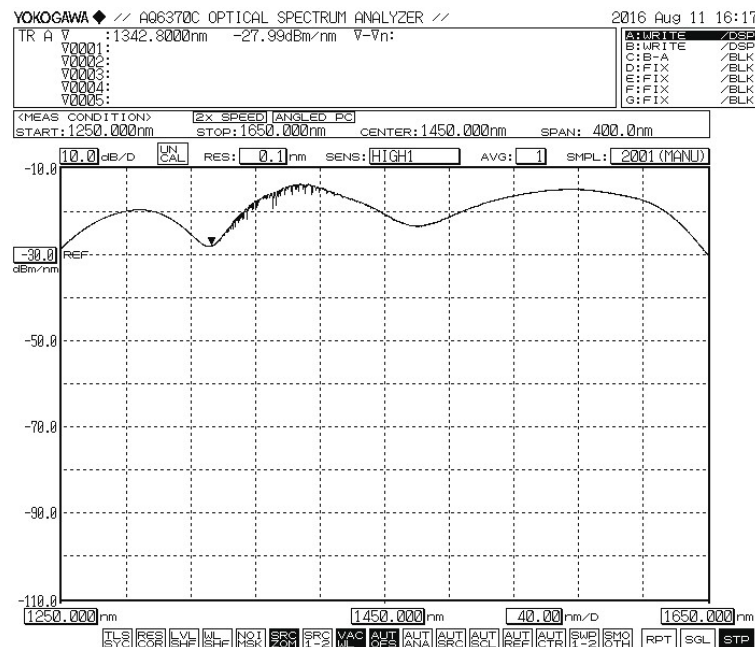


Figure 1. -30 dBm/nm Spectrum density over 1250 – 1650 nm

Ordering Information: SLED-EB-A-B-C-D-E-F-G

A: polarization	B: package	C: Central wavelength	D: bandwidth	E: power spectral density	F: fiber type	G: connector
L - Low	D - Desktop	1450 – 1450 nm	400 – 400 nm	30 - -30dBm/nm	S – SMF-28	1 – FC/UPC
		X - other		X - other		2 – FC/APC
						3 – SC/UPC
						4 – SC/APC
						X - other