

1250-1650nm SLED Broadband Light Source Specification



Applications:

Optical fiber sensing
Optical fiber passive component spectrum testing
Optical fiber grating, DWDM, filter testing
Optical fiber measurement equipments

Features:

High output power
High spectral stability
Broadband light source

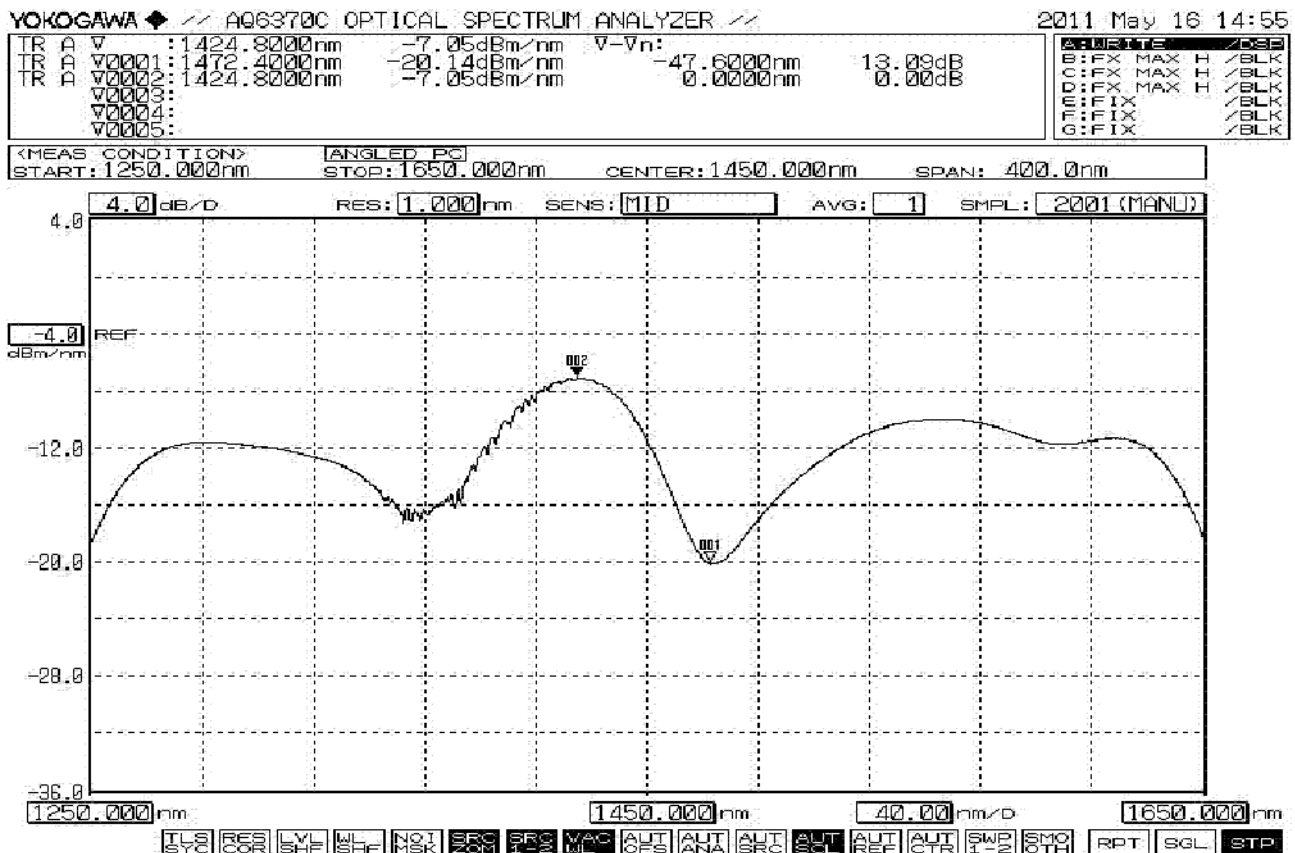
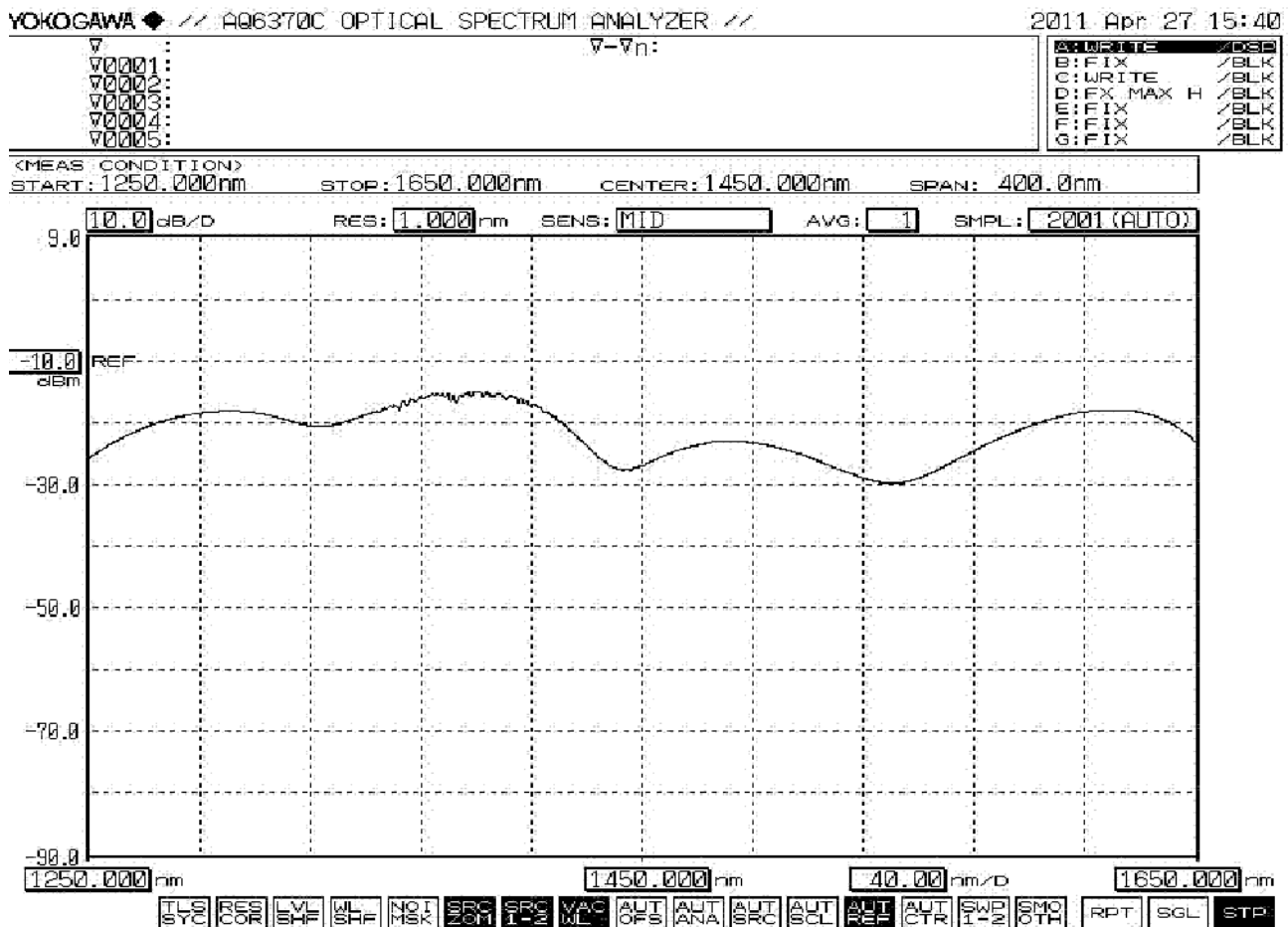
Specifications:

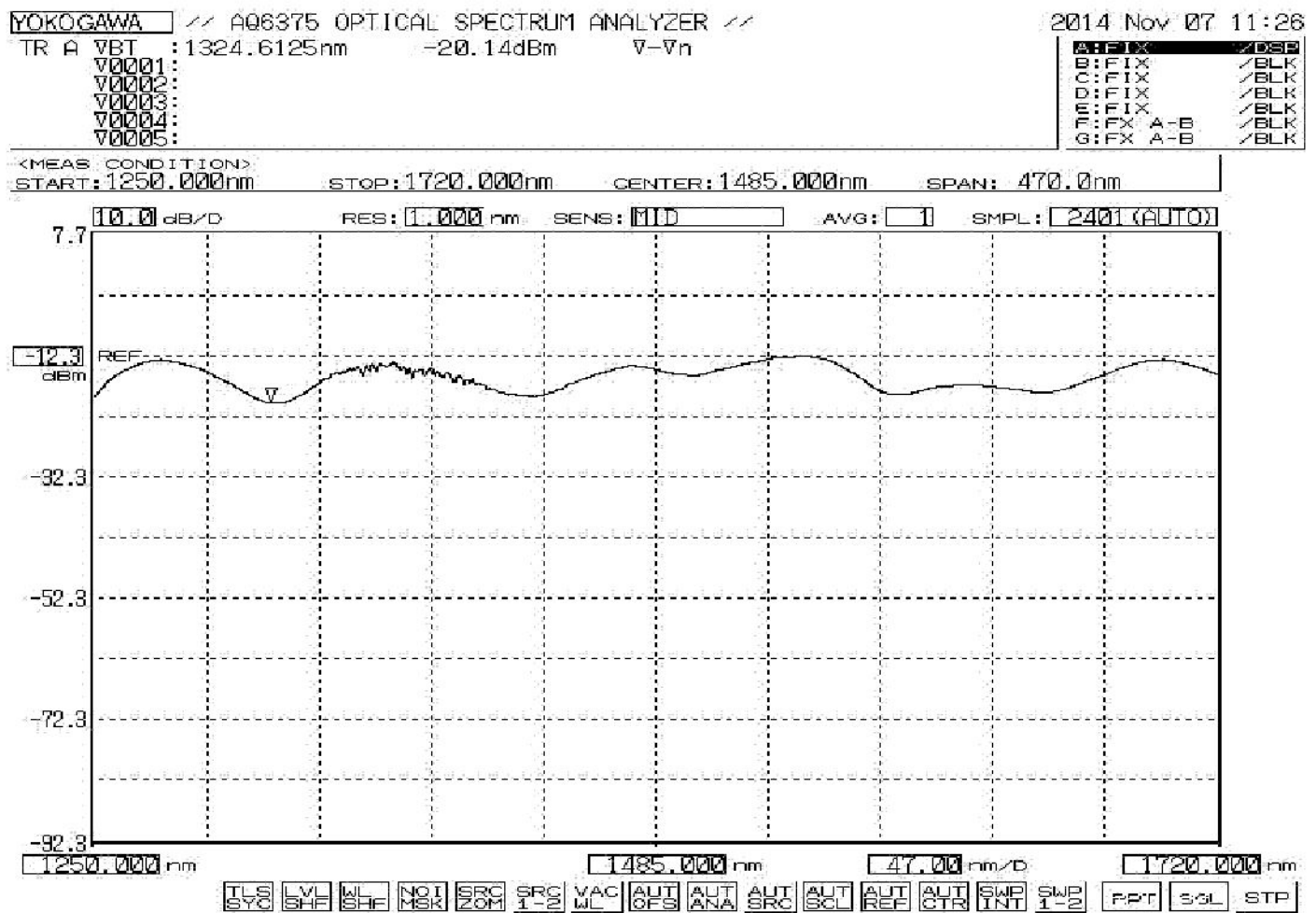
Parameter	SLED
Operating wavelength (nm)	1250~1650, 1260~1620 etc
Spectrum width (nm)	400, etc
Output power (dBm)	≥ 7
Power spectral density (dBm/nm)	Normally ≥ -30 (max to -20)
Ripple (dB)	≤ 0.2 (≤ 0.6 dB for 1350-1420nm as of OH absorption)
Output power short term stability (dB) 1	$\leq \pm 0.02/15$ min
Output power long term stability (dB) 2	$\leq \pm 0.04/8$ hour
Operating mode	CW
Fiber pigtail	Single mode SMF-28
Output connector	FC/PC, FC/UPC or FC/APC, etc
Operating temperature (°C)	0 ~ 40
Storage temperature (°C)	-20 ~ 70
Power supply	AC 110/220V $\pm 10\%$, 50Hz, 20W
Dimensions (L×W×H, mm)	360×300×110(Desk-top)

Remark: Stability is tested at room temperature $25 \pm 2^\circ\text{C}$ after pre-heating 30 minutes.

1. Test condition: fixed temperature, CW.
2. Test condition: temperature variation $\pm 2^\circ\text{C}$, CW.

Typical Spectrum





Ordering Information

SLED-EB	Package Type	Operating Wavelength	Power Spectral Density	Connector
	D=Desk-top	1=1250-1650nm 2=1230-1650nm 3=1220-1700nm etc	45= -45(dBm/nm) 30= -30(dBm/nm) 20= -20(dBm/nm) etc	FC/UPC FC/APC etc