

1250~1650nm SLED Broadband Light Source



Application:

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

Features:

High output power
 High stability
 Broadband spectrum output,

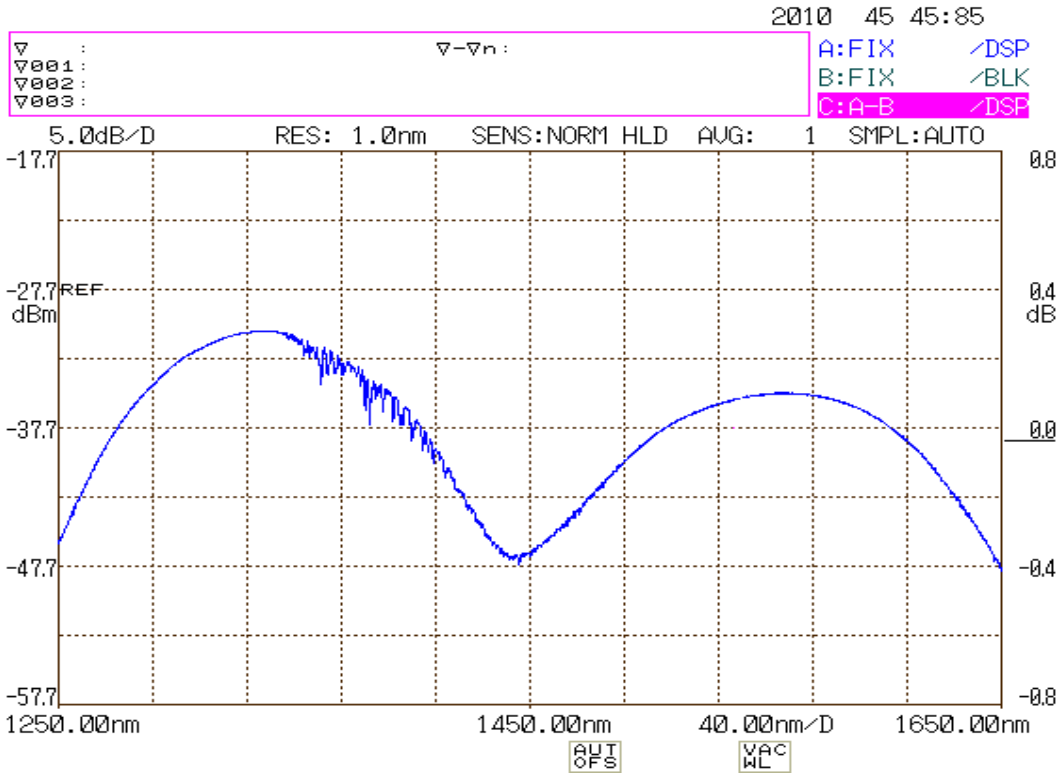
Specifications:

Parameter	SLED
Operating wavelength (nm)	1250~1650, 1260~1620, 1250~1700, 1220~1700, 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	≤±0.02/15 min
Output power long term stability (dB) 2	≤±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 ±10%, 50Hz, 20W
Dimensions (L×W×H, mm)	320×220×90(Desk-top)

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

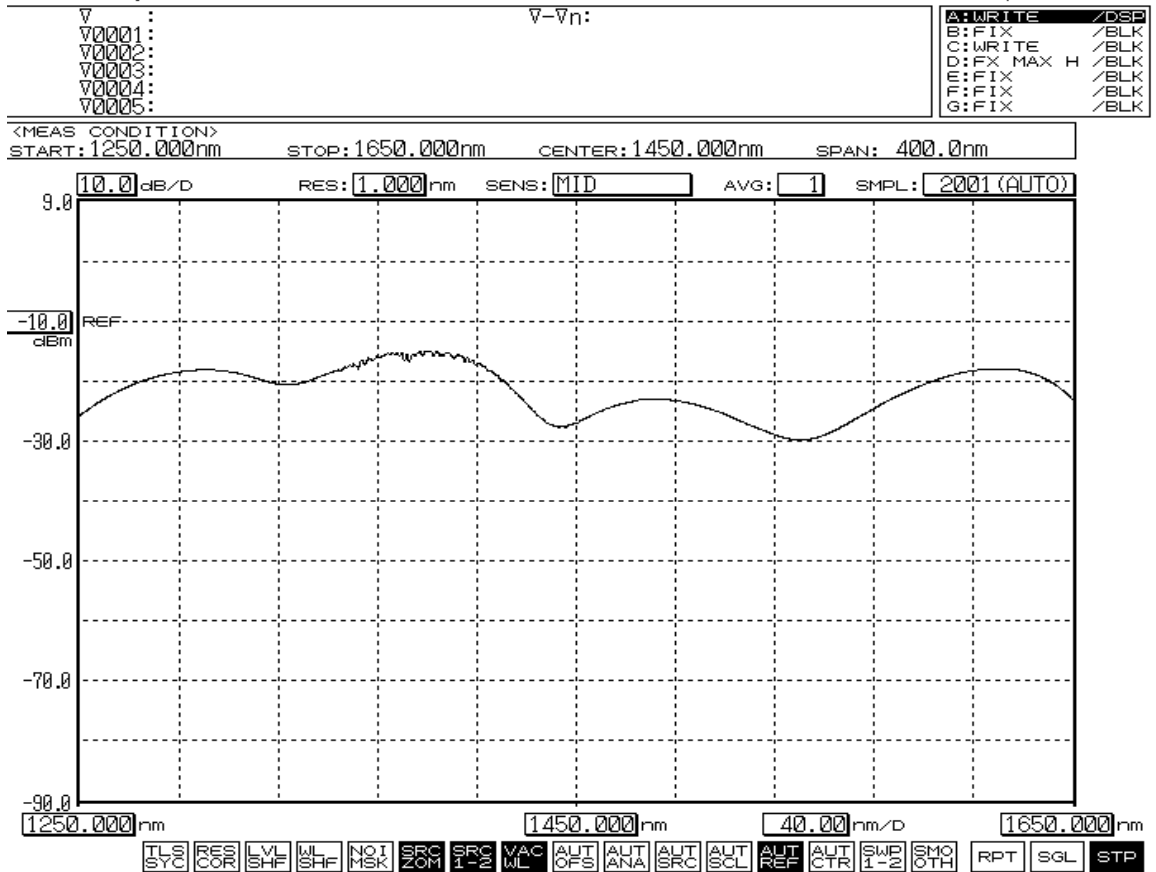
1. Test condition: fixed temperature, CW.
2. Test condition: temperature variation $\pm 2^{\circ}\text{C}$, CW.

Typical spectrum:

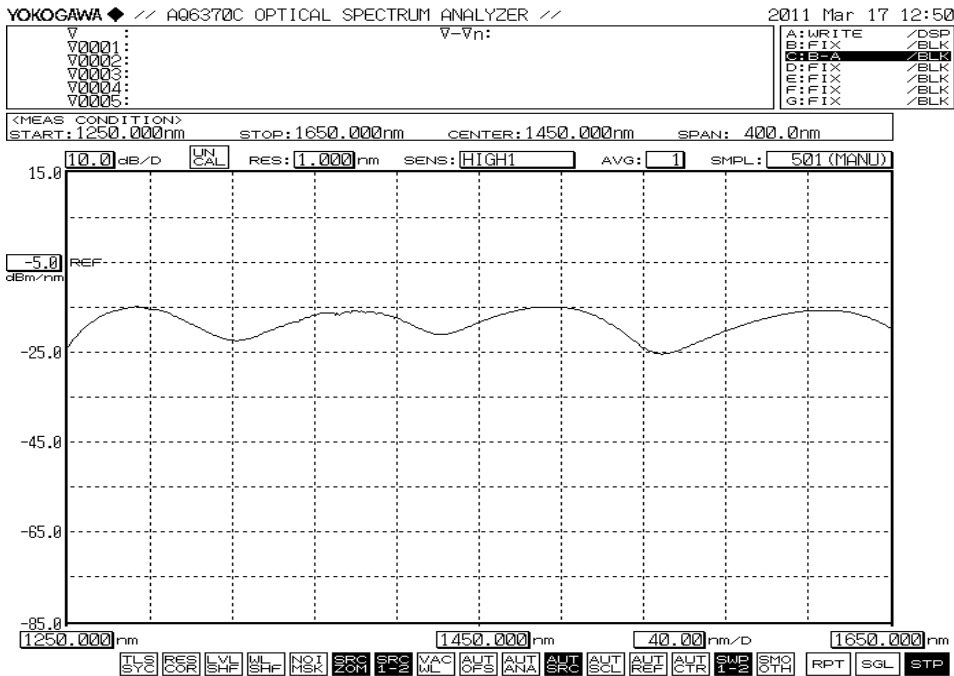


-45dBm/nm spectrum

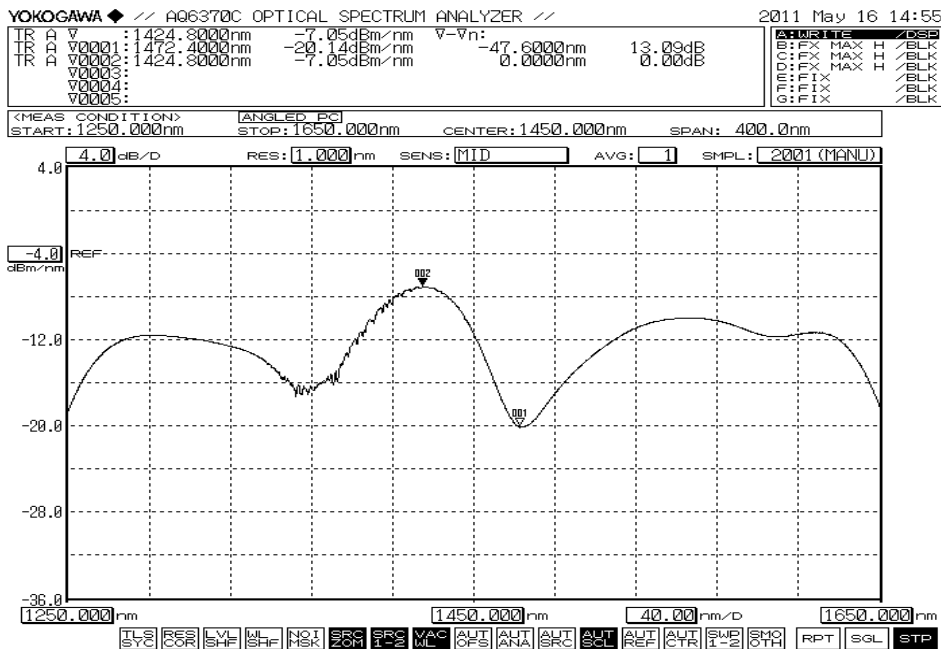
YOKOGAWA // AQ6370C OPTICAL SPECTRUM ANALYZER // 2011 Apr 27 15:40



-30dBm/nm spectrum



-25dBm/nm spectrum



-20dBm/nm spectrum

Order informations:

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