TEST INSTRUMENTS

DWDM grid comb light sources

Spectrally sliced broadband light with selectable channel spacing on the ITU grid.

Applications to discuss: DWDM component testing; Optical network emulation.

Selection points
50 GHz or 100 GHz channel spacing / 22 dBm listed output / Unpolarized optical output

Configuration options

Configuration	Family wavelength coverage	Spectral width	Output power
Grid-sliced comb source	1524 to 1620 nm	≤42 nm	22 dBm

Each row is a separate configuration. Limits from different rows must not be combined.

Technical details

Parameter	Specification or condition
Spectral flatness, peak-to-peak	<2 dB
Channel spacing	50 GHz or 100 GHz
Extinction ratio	>44 dB
Deviation from the ITU grid	<0.02 nm
Polarization state	Unpolarized

Integration and delivery

Item	Configuration detail
Format	AC-powered rack instrument
Control	RS232 graphical interface; optional Ethernet; key switch and remote interlock

Conditions and configuration notes

• The description lists up to 100 channels at 50 GHz spacing. Confirm channel count, band edges and per-channel spectral density for the chosen unit.

• The 22 dBm entry is not assigned to each individual channel.