TEST INSTRUMENTS

Embedded broadband ASE source modules

Compact unpolarized broadband sources for integration into optical instruments.

Applications to discuss: Optical component testing; Fibre-sensing instrumentation.

Selection points
1525-1605 nm or 1525-1575 nm coverage / 21 dBm or 19 dBm output limits / Embedded source format

Configuration options

Configuration	Family wavelength coverage	Spectral width	Output power
Wider-range module	1525 nm to 1605 nm	≤36 nm	≤21 dBm
Compact-band module	1525 nm to 1575 nm	>36 nm	≤19 dBm

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

Technical details

Parameter	Specification or condition
Spectral ripple	Wider-range module: <1.5 dB
Polarization state	Unpolarized

Integration and delivery

Item	Configuration detail
Integration	PCB or instrument integration; dimensions and pinout to confirm
Control	RS232 or RS485, according to configuration

Conditions and configuration notes

• One detailed table states >36 nm spectral width, while the general description states up to 36 nm. The inequality is preserved and needs confirmation.

• Do not apply the wider-range module ripple limit to the second module without confirmation.