

Typical specifications of the WDM modules

Typical values, measured at 25° C, unless otherwise stated.

	Module 5071- C band	Module 5073- C+L band
Wavelength		
Range	1525-1570 nm	1525-1610 nm
Sweep time (real time)	< 1 s	< 1,5 s
Accuracy ^a	± 10 pm	
Display Resolution	1 pm	
Min. spacing between channels	10 GHz (80 pm)	
Optical Bandwidth (FWHM)	35 pm	
Power levels		
Display range	- 90 dBm at + 30 dBm	
Display Resolution	0,01 dB	
Measurement range on a channel	- 70 dBm at + 10 dBm	
Max. admissible power: - total (before signal cut off) - for a channel	+ 20 dBm + 10 dBm	
Accuracy ^b	± 0,5 dB max	
Linearity ^a	± 0,1 dB	
Flatness	± 0,2 dB ^c	± 0,2 dB ^d
Polarization dependence (PDL)	± 0,2 dB	
ORL (Optical Return Loss)	> 35 dB	
ORR (Optical Rejection Ratio) ^e	40 dB at 0,8 nm from the carrier 34 dB at 0,4 nm from the carrier	

a. from -40 dBm to +5 dBm.

b. at -30 dBm and 1550 nm, excluding the uncertainty due to the input connector.

c. at -30 dBm and in the range 1530 nm - 1565 nm (reference : 1550 nm)

d. at -30 dBm and in the range 1530 nm - 1605 nm (reference : 1550 nm)

e. from the top of a carrier, in the range 1530 to 1605 nm, at 0 dBm and with the resolution max.

PMD modules

PMD modules available

- 5073PMD C+L PMD module
- 5073WDM/PMD C+L WDM/PMD module

PMD and WDM upgrades

- 5071PMDUP C band PMD upgrade for 5071 WDM module
- 5073 PMDUP C+L band PMD upgrade for 5073 WDM module
- 5073WDMUP C+L band WDM upgrade for 5073 PMD module

PMD accessories

- OVP-15 Optical variable polarizer for PMD measurement (see technical specifications in the OVP-15 user manual)
- OBS-15 Broadband source (see technical specifications in the OBS-15 user manual)

Specifications of the PMD modules

Typical values, measured at 25°C, unless otherwise stated.

Module	5071 WDM/PMD	5073 PMD or 5073 WDM/PMD
Measurement time	from 5 seconds, independant of PMD value	
Dynamic range	up to 35 dB (170 km at 0.2 dB/km)	
Wavelength range with OBS-15 source	C band	C+L band
DGD		
Measurement range	0,2 to 60 ps	0,1 to 60 ps
Display range	0,01 to 200 ps	