

# OSICS ATN-HP: Variable Optical Attenuator, up to 2W input power

The ATN module integrates industry standard attenuator components. It combines a 60 dB attenuation range and operates throughout a large wavelength range.

As part of a test set ATN modules can be used to equalize channels and to reach low power levels without modifying sources signal-to-noise ratio. This is especially useful for optical amplifier characterization.

The ability to receive up to 2 W input power allows to use this on large counts DWDM test bench.



## Key Parameters

- **High input power for optical amplifier testing or multi-wavelengths attenuation**

- **60 dB attenuation range with 0.1 dB resolution**

The large attenuation range capability allows to adapt to any set-up with a single instrument.

- **Real Time & Easy Operation**

The platform user-friendly interface allows real time adjustment of the attenuation.

Each module attenuation could be read at any time on the OSICS front panel.

- **Low Return Loss**

There is no more need to use additional optical isolator in front of the attenuator to avoid perturbations to your lasers stability thanks to the low return loss of the OSICS ATN.

- **Single-slot module inside the OSICS Platform**

User will benefit from all OSICS platform capabilities: remote commands, ability to host up to 8 modules including DFBs, high performances tunable laser sources, optical switches, etc.

	OSICS ATN-HP	OSICS ATN-HP / M
<b>Wavelength range</b>	1250 -1650 nm	1440 -1650 nm
<b>Attenuation range</b>	Up to 60 dB	
<b>Calibrated range</b>	Up to 40 dB @ 1300 and 1550 nm	Up to 40 dB @ 1550 and 1625 nm
<b>Attenuation accuracy (typ.) *1</b>	±0.3 dB	
<b>Insertion loss</b>	< 2 dB (1 dB typ.)	
<b>Attenuation setting resolution</b>	0.1 dB	
<b>Polarisation dependent loss *2</b>	< 0.1 dB	
<b>Return loss *3</b>	> 60 dB	
<b>Maximum input power</b>	2 W (+33 dBm)	
<b>Optical connectors *4</b>	FC-APC on SMF-28	FC-APC on PMF SM15

\*1 : Inside calibrated range

\*2 : Total PDL including both FC-APC connectors

\*3 : RL @ 1550nm

\*4 : For PM version, PER is 20 dB

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