

Data Sheet PS-800

Pulse Stretcher for Fiber-coupled THz Antennas (800 nm)



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1 General

The **PS-800** introduces an anomalous dispersion, which stretches the laser pulse, to compensate the normal dispersion of optical fibers. This restores the laser pulse after an optical fiber and therefore improves the performance of fiber-coupled THz antennas for 800 nm, resulting in a higher signal-to-noise ratio and bandwidth.



2 Parameter

Dimensions	105 x 80 x 45 mm (L x W x H)
Wavelength	800 ± 20 nm
Max. Group Delay Dispersion	-100'000 fs ²
Max. Fiber length	~ 2.5 m (PM-780)
Input	Free space ¹
Output	Free space ¹
Transmittance	> 70 %



Attention

The PS-800 compensates only the second order dispersion!

¹ The default laser beam height is 100 mm (Can be modified)

3 Contact Details

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