

Tunable Polarization-mode Dispersion Compensator

The **OEPDC-100** is an electrical tunable polarization-mode dispersion (PMD) compensator for different wavelength ranges. High reliability and compact package make this device an ideal OEM or turn-key solution for PMD compensation.

Applications:

- Optical communication systems
- Optical testing system
- Optical fiber sensor
- Fiber amplifier module
- Biomedical instrumentation

Specifications:

Parameter	Unit	Value
Operating wavelength	nm	1060 ± 40, 1310 ± 50, 1550 ± 60
Differential Group Delay (DGD) range	ps	-20 to 20, or 0 to 40
Delay resolution	fs	3.3 (or 1 μm)
Delay accuracy	fs	± 6.6 (2 μm)
Delay repeatability	fs	± 6.6 (2 μm)
Return loss	dB	55
Power handling	mW	< 500
Fibre type	-	Hi1060 or SMF-28
Maximum actuation speed	ps/s	33
Interface	-	USB 2.0, or I ² C, SPI configuration
Power consumption	W	0.5
Operating temperature	°C	0 - +50
Storage temperature	°C	-20 - +60

Note: All specifications are subject to change without notice
