

[OEPAS-OAT-EV]

## Motorized Variable Optical Attenuator

### Features:

- Wide attenuation range
- Precise resolution
- Low back-reflection
- Low insertion loss
- Low polarization dependent loss

### Applications:

- Telecommunication system
- CATV system
- Test instruments
- DWDM networks
- Optical amplifier
- Optical Add/Drop Multiplexing

### Product description:

The OAT motorized attenuator is a fiber-pigtailed component which is used to set attenuation levels in the range of 0 to 40 dB. The motor configuration is a geared down-DC motor which may be controlled either in a servo loop or by applying pulses to step the motor up or down. This configuration is very stable in attenuation when the motor voltage is removed, and can offer fast attenuation control with servo loop feedback. All components are chosen to provide high reliability, particularly considering long term quiescent period.

### Product specifications:

Parameters	Unit	OEPAS-OAT-EV
Attenuation range	dB	0 to 40
Resolution (0-10dB)	dB	0.1
Resolution (10-20dB)	dB	0.5
Resolution (20-40dB)	dB	1.0
Insertion Loss	dB	typical 0.5, maximum 1.0
Back-reflection	dB	typical 50
PDL	dB	typical 0.03, maximum 0.1
Operating temperature	°C	0 ~ +55
Storage temperature	°C	-15 ~ +70
Package dimensions	mm	67 x 36 x 15

*\*\*Tuning range can significantly vary depending on FBG specifications.*

*\*\*\* Recommended values. The ambient environment temperature can limit the performance, incl. the tuning range.*

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