

Variable Optical Attenuator Module

LT450

The LT450 Variable Optical Attenuator (VOA) offers voltage control attenuation over a broad dynamic range. It provides precision resolution, high repeatability and extremely low insertion loss. Our patented beam director technology eliminates the need for filters or other devices in the optical path resulting in improved performance.

- Designed to meet Telcordia 1073 and 1221 reliability and performance standards
- Wide dynamic voltage control attenuation range from 0-20 dB
- Precision attenuation resolution at better than 0.1 dB per step
- Low insertion loss of 0.35 dB, typical
- Patented beam director eliminates the need for interference filters in optical path
- Compact size - 12 x 25 x 50 mm

Applications

- Power management
- Add/drop
- Amplifiers



Fiberoptic Solutions at the Speed of

LIGHTechTM
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Performance Specifications

Specifications	LT450 Series VOA module	Unit
Attenuation Range ¹	0 ~ 20	dB
Wavelength Range	1525 ~ 1565	nm
Back Reflection	< -55	dB
Max Optical Power	300	mW
Wavelength Dependent Loss ²	≤ 0.2	dB
PDL	< 0.1	dB
Residual Attenuation (Min. Insertion Loss)	0.35 typ – 0.6 max	dB
Tuning Time ³	100	ms
Resolution	< 0.1	dB
Operating Temperature	0 to 65	°C
Housing Dimensions (HxWxL)	12x25x50	mm

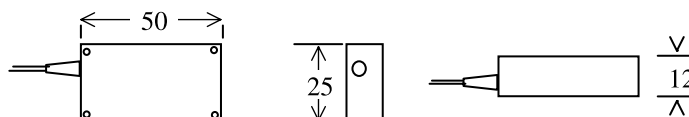
All specifications referenced without connectors and based on single wavelength (1550 nm)

1. Custom attenuation ranges available

2. WDL at 15 dB of attenuation

3. From 0 to 3 dB

Housing Dimensions



Ordering Information: ⁽⁴⁾

Example: A15065M-FCA2

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