

## LT450 Variable Optical Attenuator Module

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.



### Features

- Meets Telcordia 1073 and 1221 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

### Specifications

Item	Unit	Specifications
Attenuation Range <sup>1</sup>	dB	0 ~ 20
Wavelength Range	nm	1525 ~ 1565
Back Reflection	dB	< -55
Max Optical Power	mW	300
Wavelength Dependent Loss <sup>2</sup>	dB	≤ 0.2
PDL	dB	< 0.1
Residual Attenuation (Min. IL)	dB	0.35 typ. ~ 0.6 max
Tuning Time <sup>3</sup>	ms	100
Resolution	dB	< 0.1
Operating Temperature	°C	0 to 65
Housing Dimensions (H x W x L)	mm	12 x 25 x 50

All specifications referenced without connectors.

All specifications based on 1550 nm single wavelength.

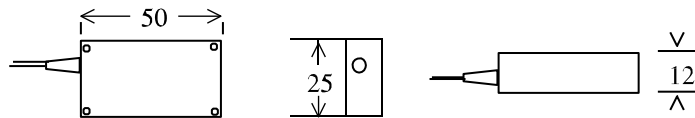
1. Custom attenuation ranges available.

2. WDL at 15dB of attenuation.

3. From 0 to 3dB.

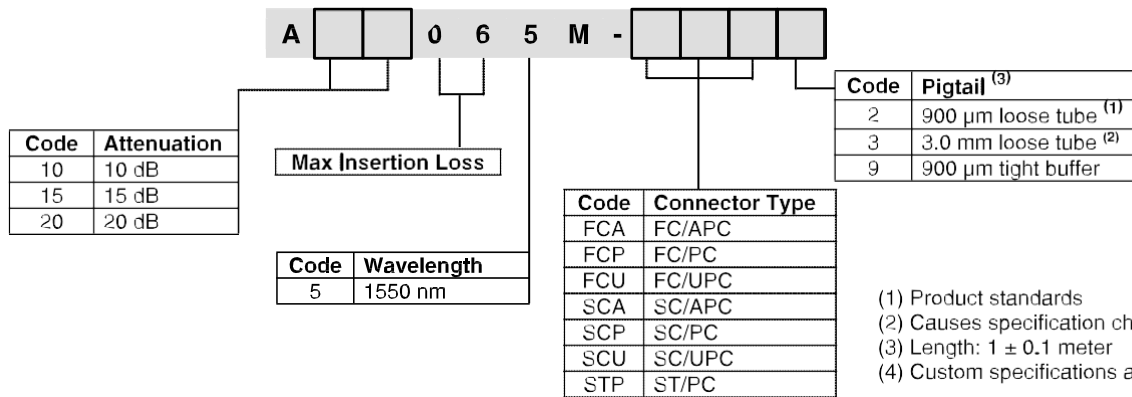
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## Housing Dimensions



## Ordering Information: <sup>(4)</sup>

Example: A15065M-FCA2



- (1) Product standards
- (2) Causes specification change
- (3) Length:  $1 \pm 0.1$  meter
- (4) Custom specifications available

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