Variable Optical Attenuator

LT4000

The LT4000 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. It also offers programmed attenuation of selectable dB levels.

- Wide dynamic voltage control attenuation range from 0-30 dB
- Precision attenuation resolution at <0.1 dB
- Low insertion loss of 0.35 dB, typical
- Patented beam director eliminates the need for interference filters
- Bench top or rack mounting (2U ½ chassis)
- Monitor port is available upon request

Applications

- Power management
- R&D laboratories
- Manufacturing test systems
- Field test systems

ISO9001 CERTIFIED **Fiberoptic Solutions at the Speed of** LIGHTech™ FIBEROPTICS, INC.

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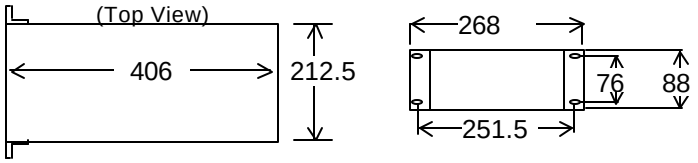
Performance Specifications

Specifications	LT4000 Series Stand Alone VOA	Units
Attenuation Range [1]	0 ~ 30	dB
Residual Attenuation (Min. Insertion Loss)	0.35 typ – 0.6 max	dB
Back Reflection	< -55	dB
Max Optical Power [2]	300	mW
PDL	< 0.1	dB
Tuning Time [3]	600	ms
Resolution	< 0.1	dB
Control	Local keypad and GPIB/RS-232 interface	
Housing Dimensions (HxWxL)	88 x 212.5 x 406 2U ½ rack	mm
Wavelength Range [4]	1280~1340, 1525~1580	nm

All specifications referenced without connectors and based on single wavelength (1550 nm)
1. Custom attenuation ranges available
2. High power available upon request
3. From 0 to 30 dB
4. Optimized at 1310 or 1550 nm (other wavelengths available upon request)

Housing Dimensions:



Ordering Information: (4)

Example: A30065G-FCA

A [ ][ ] **0 6** [ ][ ] **-** [ ][ ][ ]

Code	Max Attenuation (4)
20	20 dB
25	25 dB
30	30 dB

Code	Wavelength
3	1310 nm
5	1550 nm (1)
D	1310/1550 nm (2)
S	Special

Code	Interface
G	GPIB (1)
R	RS-232
B	Both

Code	Connector Type
FCA	FC/APC
FCP	FC/PC
FCU	FC/UPC
SCA	SC/APC
SCP	SC/PC
SCU	SC/UPC
STP	ST/PC
XXX	No Connectors
SSS	Special

(1) Product standards
(2) Cause specification change
(3) Length: 1 ± 0.1 meter
(4) Custom specifications available