

Miniature Optical Variable Attenuator OVA-20M

The OVA-20M is a compact manually tuned variable optical attenuator module. This device is suitable for basic laboratory use and system integration. Tuning is achieved by turning an adjustment screw on the side of the unit. This tuning method achieves high resolution and stable latching.

Features

- ▶ Low temperature dependence
- ▶ Low wavelength dependence
- ▶ Low insertion loss
- ▶ Low PDL (< 0.1dB)
- ▶ Compact size

Principle

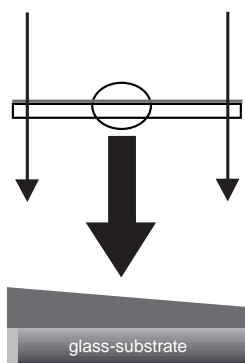


Fig 1. linearly graded neutral density filter

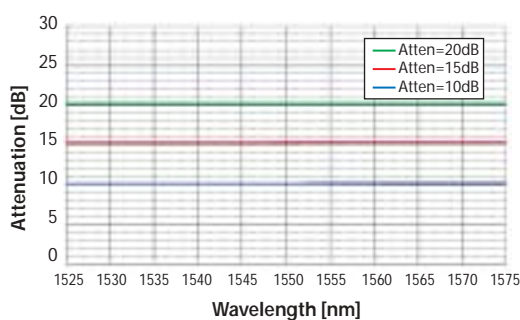
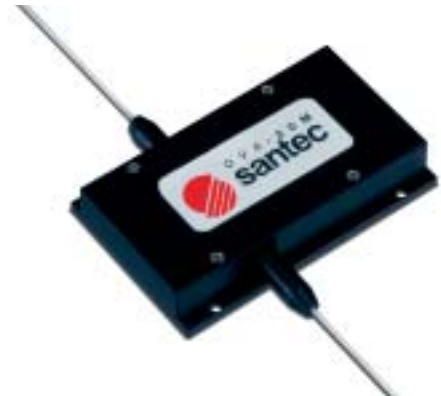
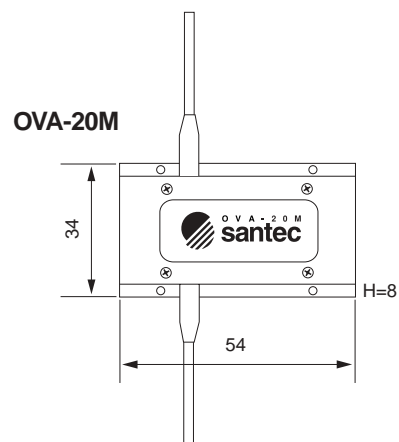


Fig 2. Wavelength Independent Attenuation



Dimensions



■ Optical Specifications

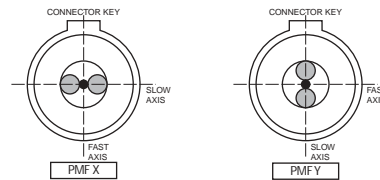
Parameter	Units	Performance	
Max attenuation	dB	20	30
Wavelength range	nm	1530-1570 or 1570-1610	
Insertion loss (*1)	dB	<0.6	
Wavelength dependence attenuation (@40nm)	dB	0.25	0.35
PDL	dB	<0.1	
Return loss	dB	>45	
Size	mm	54 x 34 x 8	
Weight	g	45	

*1: When PMF or DSF fiber is specified the insertion loss increases by 0.5dB.

■ Ordering Code

OVA-20M - **A** - **B** - **C** - **D** - **E** - **F** - **G**

Connector Polish : **0** : None / **S** : SPC / **A** : APC (Angled PC) / **X** : SPC (PMF X) / **Y** : SPC (PMF Y)



Connector Type : **00** : None / **FC** : FC / **SC** : SC

Fiber Length : **10** : 1.0 m

Fiber Jacket : **09** : 0.9mm (Tight Buffer)

Optical Fiber : **S** : SMF / **D** : DSF / **P** : PMF

Wavelength Range : **5** : 1530-1570nm / **9** : 1570-1610nm

Attenuation Range : **20** : 20dB / **30** : 30dB

Please contact Santec's customer service to discuss any special requirements.

www.santec.com E-Mail : sales@santec.com

2004 © SANTEC CORPORATION Santec reserves the right to make changes in equipment design, components or specifications without notice.

August 3, 2004



SANTEC CORPORATION
5823 Ohkusa-Nenjyozaka, Komaki, Aichi 485-0802, Japan Tel. +81-568-79-1959 Fax +81-568-79-1718

SANTEC U.S.A. CORPORATION
433 Hackensack Ave., Hackensack, NJ, 07601, U.S.A. Toll Free +1-800-726-8321 (santec-1) Tel. +1-201-488-5505 Fax +1-201-488-7702

SANTEC EUROPE LIMITED
Magdalen Centre, Robert Robinson Ave., The Oxford Science Park, Oxford OX4 4GA, U.K. Tel. +44-1865-784960 Fax +44-1865-784961

SANTEC (SHANGHAI) Co., Ltd.
No.800 Zhangyang Road Changhang Tower, Pudong District, Shanghai 200122 China Tel: +86-21-58361261, +86-21-58361262 Fax: +86-21-58361263