

Fibre Optic Assemblies & Components

Variable Attenuator



An optical attenuator is a device used to reduce the power level of an optical signal, either in free space or in an optical fibre.

They are commonly used in fibre optic communications.

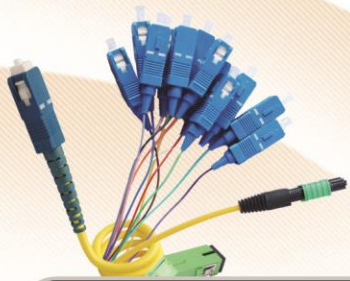
Variable attenuators are designed to be used with various kinds of fibre optic connectors and applications where attenuation might need to be altered easily and/or frequently.

Features & Benefits

- ISO certified laboratory
- Low back reflection
- Wide attenuation rang
- Polarization insensitive
- Compact and rugged housing
- Hand and screw adjustment types
- Single and dual types available
- Designed to meet Telecordia requirements
- High precision
- Low original loss
- Suitable for; Optical communication systems, Testing instruments, Optics laboratory, Fiber sensors

Technical Specifications

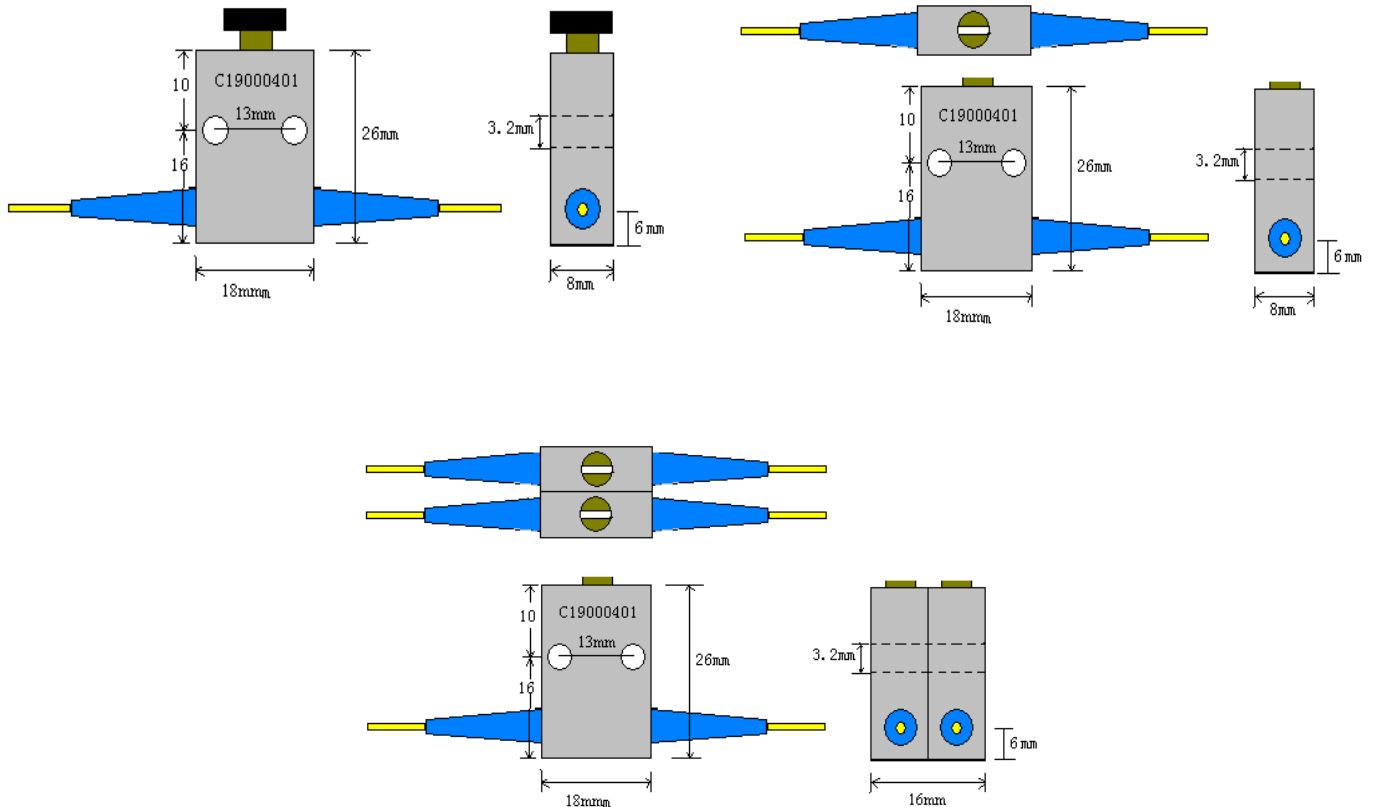
Parameters	1310 or 1550	1310 & 1550	850/1300	1053/1060/830/780/660
Bandwidth (nm)	± 40	± 40	± 40	± 15
Attenuation range (dB)	0.6 to 60	0.8 to 60	0.8 to 60	0.6 to 60
Original loss (dB)	≤0.6	≤0.8	≤0.8	≤1.0
Return loss (dB)	≥50		≥30	≥40
Fiber	SM28 fiber		50/125 or 62.5/125 MM fiber	Special single model fiber
Precision (dB)	0.02			
PDL (dB)	≤0.10			
Operating temperature (°C)	-40 to +70			
Storage temperature (°C)	-40 to +85			
Dimensions (mm)	26 (L) x 8 (W) x 18(H)			



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Technical Drawings



Ordering Information

Use the formula below to create the part number.

Attenuator Type		Polishing	
Variable Hand Type	VHA	UPC	U
Variable Screw Type	VSA	APC	A
Dual Variable Hand Type	DVHA		
Dual Variable Screw Type	DVSA		

VHA	SC	U	SM
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Connector Type		Fibre Type	
FC	FC	Singlemode	SM
ST (UPC Only)	ST	Multimode	MM
SC	SC		
LC	LC		
MU	MU		

Example: **VHASCUSM** – Attenuator Type VHA Connector Type SC Polishing U Fibre Type Singlemode

For any queries, please contact the Linxcom team using the details below.