DATASHEET

In-line Variable Optical Attenuator

OMC INDUSTRY CO.LIMTED

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In-line Variable Optical Attenuator

Description

Optical attenuator is a passive device used to reduce the power level of an optical signal. It is generally used in single-mode long-haul applications to prevent optical overload at the receiver. Optical attenuator is widely used in CWDM&DWDM, CATV systems, data center networks, test equipment and other high power applications.

VOA comprises a dual fiber collimator and a reflection component separated by a linear moveable ND filter. They are used to permit dynamic control of optical power levels in a fiber and can be applied to adjust power level of signal in the optical communication at the output of light sources, E/O converters and for the linear or dynamic range of power meter.

In-line variable optical attenuator is an useful tool for the optical components and systems test.

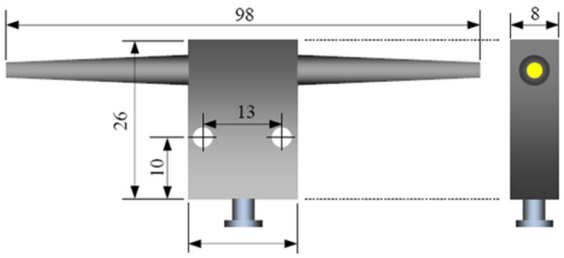
Attenuator Specifications

Parameter	1310nm	1550nm	1310/1550 Dual window	850nm/1310nm
Wavelength (nm)	1310 ± 40	1550 ± 40	1310 ± 40 & 1550 ± 40	850 ± 40 &1310 ± 40
Attenuation range (dB)	0.6 ~ 60	0.6 ~ 60	0.8 ~ 60	0.8 ~ 40
Original loss (dB)	⩽0.6	⩽0.6	⩽0.8	⩽0.8
Adjustment Precision (dB)	0.02			
Return loss (dB)	⩾50			⩾25
Fiber Type	SMF-28e			50/125 or 62.5/125
PDL (dB)	⩽0.15			
Operating& Storage temperature (℃)	-40 ~ +85			
Cable Length	1M-2M			

Features:

- Wide attenuation range 0dB to 60dB
- High Stability &High Reliability
- Low original loss&PDL
- Compact size

Drawing:



Packaging

This easily taken and well-protected fiber optical cable package has been labelled and marked by OMC as default .Standard carton size : 34*22*15 cm; 44*34*24 cm ; 54*39*34 cm . Which carton to be used depends on goods Qty . Packing can be customized.

1,Plastic boxes

2 Paper Carton

3, fumig-free Pallet

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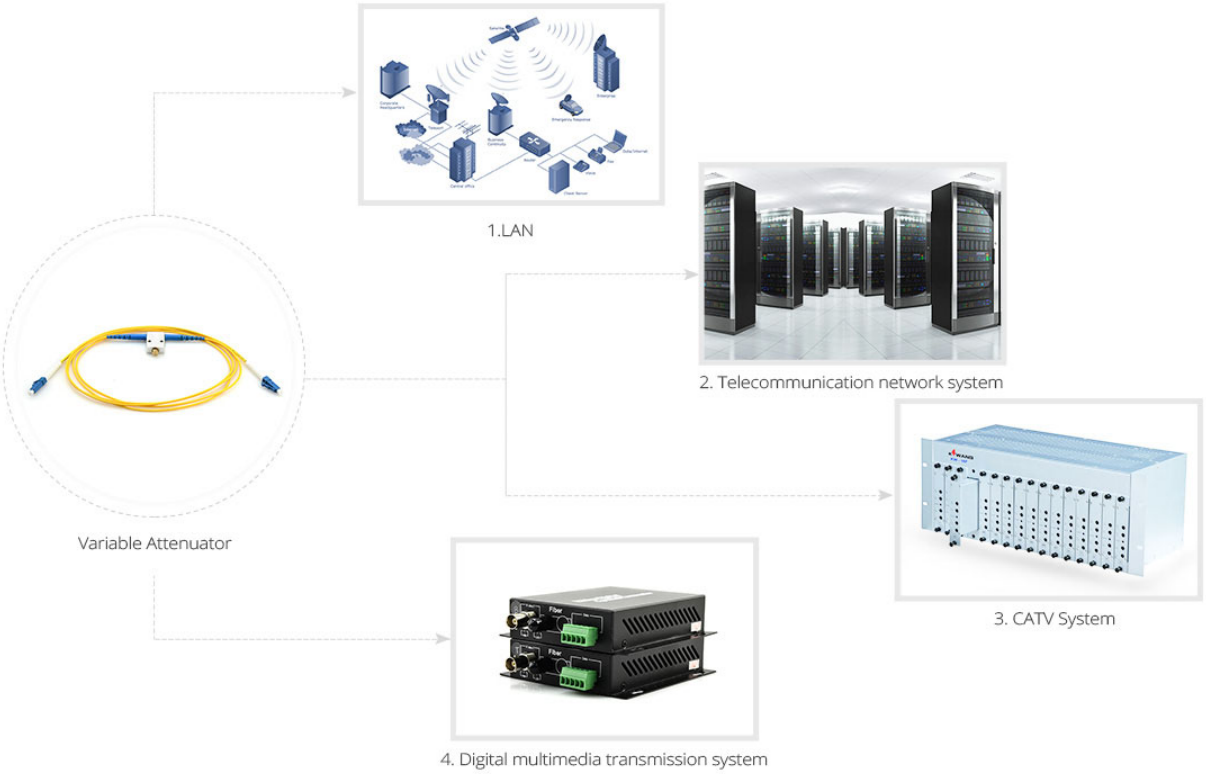
Attenuator Application

In-line Variable optical attenuators comprises a dual fiber collimator and a reflection component separated by a linear moveable ND filter. They are used to permit dynamic control of optical power levels in a fiber and can be applied to adjust power level of signal in the optical communication at the output of light sources, E/O converters and for the linear or dynamic range of power meter.



Order Index

Products	-	Attenuation type	-	Type	-	Fiber Mode	-	Connector 1	-	Connector 2	-	Cable Length
K - Attenuator		2- variable		7 - CVOA		0-SM		A-LC UPC		A-LC UPC		1– 1m
				8 - VOA		1-OM1		B—SC UPC		B—SC UPC		2– 2m
						2-OM2		C-FC UPC		C-FC UPC		..
						3-OM3		D-ST UPC		D-ST UPC		...
						4-OM4		E– LC APC		E– LC APC		..
						5-OM5		F-SC APC		F-SC APC		...
								G-FC APC		G-FC APC		….
								H– MU UPC		H– MU UPC		
								I– MU APC		I– MU APC		
								J– E2000 UPC		J– E2000 UPC		
								K-E2000 APC		K-E2000 APC		