

VCA - Variable Attenuators Connector type

Description:

The fiber optical variable connector type attenuators are fully compliance with FC, ST and SC types optical connector requirements. Fiber attenuators 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 of linear or dynamic range of power meter. Furthermore, they can be used in optical amplifier systems to balance the gain across the different operating wavelengths. The VCA series attenuator uses standard fibers currently deployed in optical systems. No special fibers, filters nor optical elements are used.

Attenuators are compatible with standard fiber optic connectors and adapters allowing the user to quickly and easily introduce a variable insertion loss into the optical network. Attenuation variation is achieved by controlling longitudinal offset. Ultra polished ferrules provide excellent optical performance.

Features:

- Fully compatible with FC/PC, ST/PC and SC/PC connectors
- Attenuation stability
- Perfect environmental stability and reliability
- Wavelength stability
- Wide attenuation range
- High resolution
- Excellent return loss
- Easy installation & well package
- Air gap style
- Continuous variation
- Patchcord or pigtail variants



VCA Attenuator FC Connector Type

Applications:

- Telecommunications networks,
- Local area networks
- Optical fiber sensors
- Test equipment
- Fiber to the home
- Power Equalizers
- Optical Sensors
- Light Transmission Systems
- Laboratory Test
- Dynamic Gain Flattening







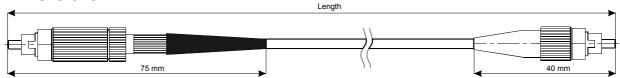
VCA-USC/USC-28SM-J-1



Specifications:

Fiber type		SM 9/125 μm, Flexcor 1060 nm MM 50/125 μm, MM 62.5/125 μm	
Operation Wavelength:	Singlemode	1300 nm - 1620 nm	
'	Multimode	800 nm - 1300 nm	
Variable Range:	UPC Singlemode	0.5 dB to 28 dB	
_	PC Multimode	0.5 dB to 20 dB	
Resolution		0.1 dB	
Return Loss:	UPC, PC	15 dB	
Max. Input Optical Power		+20 dBm	
Retention Force		200 to 600 grams	
Temperature Coefficient		0.002 (dB/°C)	
Operation Temperature		-25 °C to +70 °C	
Storage Temperature		-40 °C to +85 °C	

Dimensions:



Ordering Code:



attenuator type: Multimode PC FC/PC SL ST/PC SC SC/PC Singlemode **UPC** FC/UPC USL ST/UPC USC SC/UPC

cable type:			length:
XX	XX		(m)
24 Ø 2.4 mm	SM	SM 9/125	,
28 Ø 2.8 mm	FX	Flexcor 1060	
	М5	MM 50/125	
	М6	MM 62.5/125	

connector type:	Typical connectors:		
see patchcord ordering code:	Code	Description	
CON_13-01_EN	PC	FC/PC	
	UPC	FC/UPC	
*\ Noto.	USC	SC/UPC	
*) Note:	SL	ST/PC	
P – for pigtail variant	UE2	LSH (E2000)/UPC	
	LC	LC/PC	
	ULC	LC/UPC	

Samples of Variable Attenuator:

VCA - UPC /... VCA - USL /...







VCA - USC /...

