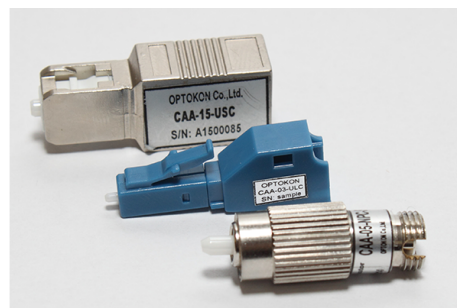


Plug-Type (Male Female) Attenuators CAA series - Singlemode

Description:

The plug-type singlemode attenuators are used directly on the ends of fiber optic jumpers prior to installation in adapters. These attenuators provide a fixed precise level of attenuation and feature excellent return loss. Low wavelength dependency determines them for using in WDM and DWDM transmission systems. The CAA series attenuators are available with UPC or APC polish for SC, FC, DIN and LC connector types and UPC for ST and MU connectors.



Features:

- Connector/adaptor plug type
- Precise attenuation, High power endurance
- Wide attenuation range, 1 dB step
- Return loss: > UPC 50 dB, > APC 60 dB
- Low ripple broadband design for operation at wavelength 1250 to 1650 nm

Specifications:

Attenuation range	SC, FC, ST, MU: 1 - 20 dB, step 1 dB DIN: 5, 10, 15, 20 dB	
Operational wavelength	1250 to 1650 nm	
Stability1	Standard	Premium
attenuation range 1 - 4 dB	±0.5 dB	±0.5 dB
attenuation range 5 - 9 dB	±0.8 dB	±0.5 dB
attenuation range ≥10 dB	±10%	±0.5 dB
Return loss	Standard	Premium
UPC polishing	≥ 50 dB	≥ 55 dB
APC polishing	≥ 60 dB	≥ 65 dB
Side load test (EN 61300-2-24)	< 0.2 dB/1 N (OPTOKON adapter)	
Power durability	250 mW	
Operating temperature	-40 to 80 °C	
Storage temperature	-40 to 80 °C	

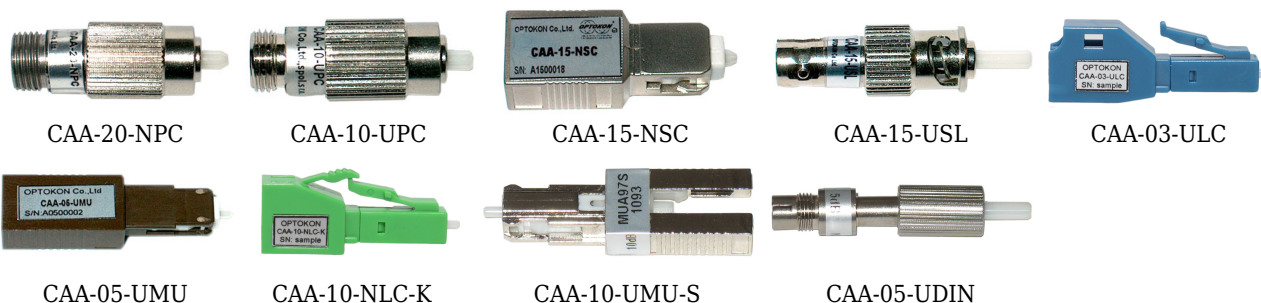
Note: 1) -40 to +80°C over 10 cycles

Dimensions:

Type	Length	Width	Note
FC	28.5 mm	10.0 mm	
SC	32.0 mm	7.5 mm	
ST	35.5 mm	10.0 mm	
DIN	56.0 mm	6.5 mm	
LC-(S) ⁴	28.5 mm	6.25 mm	Single latch
LC-K	25.0 mm	6.9 mm	Double latch
MU	30.0 mm	6.1x8.5 mm	

Note: 4) CAA-XX-ULC compatible with all types of LC adapters according to the: ADP_02-01_EN-LC_adapters
CAA-XX-ULC-S suitable for both, adapters and transceivers (SFF, SFP, XFP, SFP+, ...) - available on request

Samples of Attenuators:



Application:

- Fiber optic systems
- Receiver padding for optical receiver protection
- Optical power equalization
- Linearity and dynamic range testing in laboratory equipment

Ordering code:

CAA - XX - X XX

- **(P)** Premium class (optional)

Attenuation	Connector/Adaptor Type
01 - 20 dB	UPC FC/UPC
	NPC FC/APC, 2.05 standard
	NPC215 FC/APC, 2.15 standard (on demand)
	USL ST/UPC
	USC SC/UPC
	NSC SC/APC
	ULC2 LC/UPC
	NLC-K3 LC/APC
	UDIN DIN/UPC
	UMU MU/UPC