

DIAMOND

Fiber Optic Components

FC
SINGLE MODE
IN LINE ATTENUATOR
OAF FC

Specifications

	Single Mode					Single Mode 8° APC				Unit
Fiber	9/125					9/125				μm
Wavelength	1310/1550					1310/1550				nm
Nominal attenuation	2	4	5	6	10	15	20	25	30	dB
Tolerance*	±0.5	±0.5	±0.5	±0.5	±1	±1.5	±2	±2.5	±2.5	dB
Repeatability	< 0,5 over service life									dB
Service life	min 1000 matings									
Return loss	> 45					> 65				dB
Temperature range	-20/+80									°C

* Values measured using 1310 or 1550 nm LED source. Additional IL induced by modal noise 0,05 dB/dB.
The excess attenuation due to the 2 connections may be as high as 0.5 dB max. Other attenuations on request.



DESCRIPTION: *In-line fixed attenuators inducing wavelength independent attenuation, suitable for 1310 and 1550 nm, achieved using a special doped attenuating fiber.*

DESIGN/MATERIALS:

- Polish:* 0° convex PC
8° angled convex (APC).
- Ferrule:* Ø 2.5 mm zirconia ceramic with extending copper-nickel alloy insert, anti-rotation keyed.
- Alignment sleeve:* Floating zirconia split sleeve.
- External parts:* Ni-plated brass.

COMPATIBILITY: *With all FC-PC and FC-APC connectors and mating adapters.*

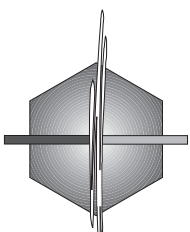
ATTENUATOR: OAF FC-PC (0°) SM key Ø 2.14 mm
Order number: 110 - 320 - 002 V 0

ATTENUATOR: OAF FC-APC (8°) SM key Ø 2.14 mm
Order number: 110 - 320 - 201 V 0

ATTENUATOR: OAF FC-APC (8°) SM key Ø 2 mm
Order number: 110 - 320 - 202 V 0

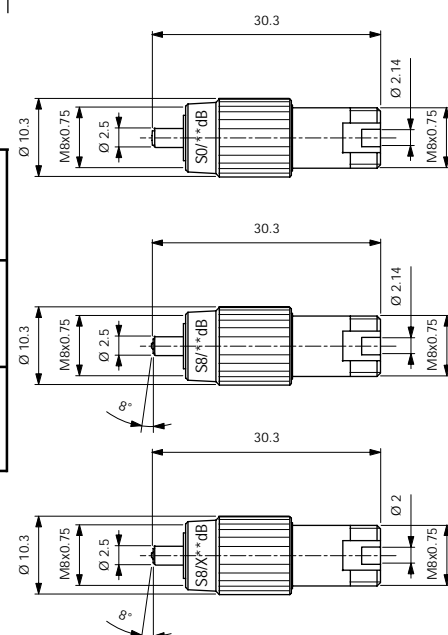
ATTENUATION

2 dB	4 dB	5 dB	6 dB	10 dB	15 dB	20 dB	25 dB	30 dB
02	04	05	06	10	15	20	25	30



DIAMOND
the fiber meeting

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Specifications subject to change without notice

002-037-208P004020