

DIAMOND

Fiber Optic Components

FSMA Ø 2.5 mm
SINGLE MODE
ATTENUATOR
OAS-10/A

Fiber	9/125 µm single mode					
Wavelength	1300 or 1550 nm					
Nominal attenuation	5	10	15	20	25	30 dB
Tolerance*	±1.5	± 2	±2.5	± 3	± 3	± 3 dB
Repeatability	< 0.5 dB over service life					
Service life	min 1000 matings					
Return loss*	> 30 dB					
Change in attenuation with temperature*	± 0.1 dB (-20 to +80°C)					

* Values measured with 1300 or 1550 nm LED source and include the attenuation and reflection contributed by two connectors.

DESCRIPTION: These in-line fixed attenuators induce attenuation by altering the mode structure of an incident optical signal. The attenuation is dependent on wavelength and fiber core diameter.

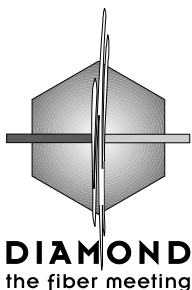
DESIGN/MATERIALS:

Polish: Convex (PC)
 Ferrule: Ø 2.5 mm tungsten carbide, removeable, anti-rotation keyed
 Alignment sleeve: Rigid tungsten carbide sleeve
 External parts: Inox

COMPATIBILITY: With all DIAMOND Ø 2.5 mm single mode SMA connectors

dB	Order Number	
	λ= 1300 nm	λ= 1550 nm
5	147 - 320 - 001 V 001	147 - 320 - 001 V 007
10	147 - 320 - 001 V 002	147 - 320 - 001 V 008
15	147 - 320 - 001 V 003	147 - 320 - 001 V 009
20	147 - 320 - 001 V 004	147 - 320 - 001 V 010
25	147 - 320 - 001 V 005	147 - 320 - 001 V 011
30	147 - 320 - 001 V 006	147 - 320 - 001 V 012

dB	λ= 1300/1550 nm
5	147 - 320 - 001 V 013
10	147 - 320 - 001 V 014
15	147 - 320 - 001 V 015
20	147 - 320 - 001 V 016
25	147 - 320 - 001 V 017
30	147 - 320 - 001 V 018



DIAMOND SA
 CH-6616 LOSONE
 Via dei Patrizi 5
 Tel. ++41-91/785 45 45
 Fax ++41-91/785 45 00
 e-mail: diamond@diamond-fo.com

Specifications subject to change without notice

002-037-208P006028

DIAMOND

Fiber Optic Components

FSMA Ø 2.5
MULTIMODE
ATTENUATOR
OAS-10/AM

Fiber	50/125 µm GI multimode			
Wavelength	850 or 1300 nm			
Nominal attenuation	5	10	15	dB
Tolerance*	±1.5	± 2	±2.5	dB
Repeatability	< 0.5 dB over service life			
Service life	min 1000 matings			
Return loss*	> 30 dB			
Change in attenuation with temperature*	± 0.1 dB (-20 to +80°C)			

* Values measured with 850 or 1300 nm LED source and include the attenuation and reflection contributed by two connectors.

DESCRIPTION: These in-line fixed attenuators induce attenuation by altering the mode structure of an incident optical signal. The attenuation is dependent on wavelength and fiber core diameter.

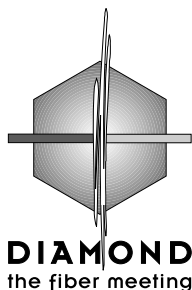
DESIGN/MATERIALS:

Polish: Convex (PC)
 Ferrule: Ø 2.5 mm tungsten carbide, removeable, anti-rotation keyed
 Alignment sleeve: Rigid tungsten carbide sleeve
 External parts: Inox

COMPATIBILITY: With all DIAMOND Ø 2.5 mm single mode SMA connectors

dB	Order Number	
	λ= 850 nm	λ= 1300 nm
5	1 4 7 - 3 2 0 - 4 0 1 V 0 0 1	1 4 7 - 3 2 0 - 4 0 1 V 0 0 4
10	1 4 7 - 3 2 0 - 4 0 1 V 0 0 2	1 4 7 - 3 2 0 - 4 0 1 V 0 0 5
15	1 4 7 - 3 2 0 - 4 0 1 V 0 0 3	1 4 7 - 3 2 0 - 4 0 1 V 0 0 6

dB	λ= 850/1300 nm
5	1 4 7 - 3 2 0 - 4 0 1 V 0 0 7
10	1 4 7 - 3 2 0 - 4 0 1 V 0 0 8
15	1 4 7 - 3 2 0 - 4 0 1 V 0 0 9



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 Via dei Patrizi 5
 Tel. ++41-91/785 45 45
 Fax ++41-91/785 45 00
 e-mail: diamond@diamond-fo.com