

DIAMOND

Fiber Optic Components

DIAMOND
SINGLE MODE
ATTENUATOR
 Ø 3.5 mm
OAS-0

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.

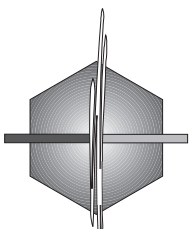
DESIGN/MATERIALS:

Polish:	Convex (PC)
Ferrule:	Ø 3.5 mm tungsten carbide, removeable, anti-rotation keyed
Alignment sleeve:	Tungsten carbide
External parts:	Copper-nickel alloy

COMPATIBILITY: With all Diamond Ø 3.5 mm single mode connectors

Order Number					
dB	λ= 1300 nm			λ= 1550 nm	
5	135 - 320 - 001	V 001		135 - 320 - 001	V 007
10	135 - 320 - 001	V 002		135 - 320 - 001	V 008
15	135 - 320 - 001	V 003		135 - 320 - 001	V 009
20	135 - 320 - 001	V 004		135 - 320 - 001	V 010
25	135 - 320 - 001	V 005		135 - 320 - 001	V 011
30	135 - 320 - 001	V 006		135 - 320 - 001	V 012

dB	λ= 1310/1550 nm	
5	135 - 320 - 001	V 013
10	135 - 320 - 001	V 014
15	135 - 320 - 001	V 015
20	135 - 320 - 001	V 016
25	135 - 320 - 001	V 017
30	135 - 320 - 001	V 018



DIAMOND
 the fiber meeting

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Specifications subject to change without notice

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