

DIAMOND

Fiber Optic Components

ST™

**SINGLE MODE
ATTENUATOR
OAS-S0/ST**

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.

ST™ is a registered trademark of AT&T

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

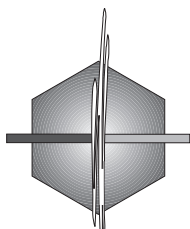
Alignment sleeve: Floating zirconia split sleeve

External parts: Ni-plated Zamak

COMPATIBILITY: With all multimode ST connectors

dB	Order Number			
	λ= 1300 nm		λ= 1550 nm	
5	120 - 320 - 001	V 001	120 - 320 - 001	V 002
10	120 - 320 - 001	V 004	120 - 320 - 001	V 005
15	120 - 320 - 001	V 007	120 - 320 - 001	V 008
20	120 - 320 - 001	V 010	120 - 320 - 001	V 011
25	120 - 320 - 001	V 013	120 - 320 - 001	V 014
30	120 - 320 - 001	V 016	120 - 320 - 001	V 017

dB	λ= 1300/1550 nm
5	120 - 320 - 001 V 003
10	120 - 320 - 001 V 006
15	120 - 320 - 001 V 009
20	120 - 320 - 001 V 012
25	120 - 320 - 001 V 015
30	120 - 320 - 001 V 018



DIAMOND
the fiber meeting

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*Specifications subject to change
without notice*

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DIAMOND

Fiber Optic Components

ST™
MULTIMODE
ATTENUATOR
OAS-M0/ST

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.

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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.

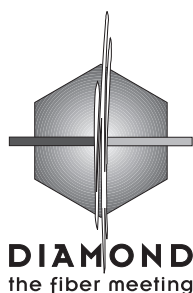
DESIGN/MATERIALS:

Polish:	Convex (PC)
Ferrule:	Ø 2.5 mm tungsten carbide, removeable, anti-rotation keyed
Alignment sleeve:	Floating zirconia split sleeve
External parts:	Ni-plated Zamak

COMPATIBILITY: With all multimode ST connectors

dB	Order Number			
	$\lambda=$ 850 nm		$\lambda=$ 1300 nm	
5	120 - 320 - 401	V 001	120 - 320 - 401	V 004
10	120 - 320 - 401	V 002	120 - 320 - 401	V 005
15	120 - 320 - 401	V 003	120 - 320 - 401	V 006

dB	$\lambda=$ 850/1300 nm	
5	120 - 320 - 401	V 007
10	120 - 320 - 401	V 008
15	120 - 320 - 401	V 009



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