

Product Bulletin



The fixed attenuator is a compact fused component that provides a means of decreasing optical power in telecommunications equipment, passive telephony or CATV networks and test equipment. It uses advanced fused-fiber technology to optimize performance at 1300 and/or 1550 nm wavelengths. On request, the attenuator is available for use at 1310 or 1310/1550 nm wavelengths and/or with other fixed attenuations, from 1 to 20 dB.

Fused Fixed Attenuators

Key Features

- High attenuation tolerance
- Environmentally stable
- Single-wavelength, wavelength-flattened, and wideband

Applications

- Power management in optical networks

Specifications

Parameter	Single Wavelength							Wavelength Flattened							Wideband						
Operating wavelength(s)	1300 or 1550 nm							1300 ±20 or 1550 nm ±20							1300 ±20 and 1550 nm ±20						
Attenuation	1	2	3	5	10	15	20 dB	1	2	3	5	10	15	20 dB	1	2	3	5	10	15	20 dB
Attenuation tolerance ±	0.2	0.2	0.3	0.3	0.7	1.1	1.6 dB	0.2	0.3	0.3	0.5	1.0	1.5	2.0 dB	0.3	0.4	0.5	0.8	1.4	2.0	3.0 dB
Return loss	50 dB																				
Fiber	Corning SMF-28																				
Dimensions	L-type Ø 3.0 x 50 mm																				
	P-type Ø 5.0 x 75 mm																				
	R-type 80 x 10 x 8 mm																				
Pigtail length	>1000 mm																				

Ordering Information

Indicate your requirements by selecting one option from each configuration table. Please print the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact your JDS Uniphase account manager, or call 1-877-550-JDSU toll free in North America, or visit www.jdsuniphase.com.

Sample: RSAWB13/15A03

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Code	Housing	Code	Format	Code	Operating Wavelength(s)	Code	Attenuation Grade					
L	Miniature	SA	Single wavelength	13	1300 nm	01	1 dB					
P	Semi-ruggedized	SAWF	Wavelength flattened	15	1550 nm	02	2 dB					
R	Fully ruggedized	SAWB	Wideband	13/15	1300/1550 nm	03	3 dB					
							05	5 dB				
							10	10 dB				
							15	15 dB				
							20	20 dB				

Corning SMF-28 is a registered trademark of Corning Incorporated.



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