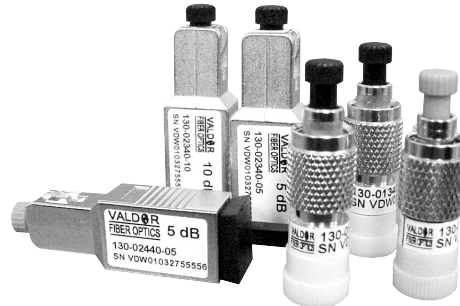


## Attenuators

### Features

- Telecordia GR-910 compliant
- Excellent Environmental stability
- Low Ripple
- 300m W power handling capability
- Backreflection UPC < -55dB, APC < -60dB
- Polarization insensitive



### Applications

- Long Haul Telecommunication
- Fiber In The Loop (FITL)
- Local Area Networks (LAN)
- Cable Television (CATV), Video Distribution
- Passive Optical Networks
- Network Testing

### Specifications

#### Build Out Attenuators

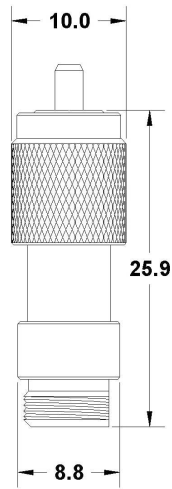
#### Specifications

Attenuator Connector Styles	SC, SC/APC, FC, FC/APC, LC, MU
Attenuator Values	1-25dB
Return Loss	PC < -45dB, SPC < -50dB, UPC < -55dB, APC < -60dB
Attenuation Tolerance	10%: 1-4dB ± 0.5dB    5-25dB ± 10%
	15%: 1-4dB ± 0.75dB    5-25dB ± 15%
Operating Temperature Range	-40°C - 75°C
Storage Temperature Range	-40°C - 85°C
Operating Bandwidth	1310 / 1550 ± 25nm
	1310 / 1550 ± 50nm
	1260-1310 / 1430-1580 (Bellcore) nm

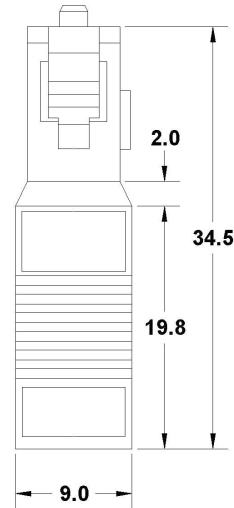
### Description

Valdor Build Out Attenuators provide excellent performance for all singlemode build out attenuation requirements. The attenuators have been designed to supply high performance with stable attenuation value at low cost for large volume applications. Standard attenuation values range from 1-10 to 15,20, and 25 dB. Other attenuation values can be custom ordered to your specific requirements. Valdor attenuators are available in several different connector styles. Valdor's all-fiber attenuator design uses no filters, airgaps, or light path discontinuities, but instead achieves attenuation by handling, excellent environmental stability, and stable response across the bandpass range. Valdor's Build Out Attenuators are Telecordia GR-NWT-000910 compliant.

## Package Dimensions



Note: Dimensions are in mm



Note: Dimensions are in mm

### FC/UPC SINGLEMODE

Dual Window Attenuators		
Attenuation	Tolerance ±15%	±10%
Part Numbers	Bandpass 1310/1550nm ±25nm	
Attenuation (dB)	FC/UPC	R< -55 dB
1	130-01340-01	130-01310-01
2	130-01340-02	130-01310-02
3	130-01340-03	130-01310-03
4	130-01340-04	130-01310-04
5	130-01340-05	130-01310-05
6	130-01340-06	130-01310-06
7	130-01340-07	130-01310-07
8	130-01340-08	130-01310-08
9	130-01340-09	130-01310-09
10	130-01340-10	130-01310-10
11	130-01340-11	130-01310-11
12	130-01340-12	130-01310-12
13	130-01340-13	130-01310-13
14	130-01340-14	130-01310-14
15	130-01340-15	130-01310-15
20	130-01340-20	130-01310-20
25	130-01340-25	130-01310-25

### SC/UPC SINGLEMODE

Dual Window Attenuators		
Attenuation	Tolerance ±15%	±10%
Part Numbers	Bandpass 1310/1550nm ±25nm	
Attenuation (dB)	SC/UPC	R< -55 dB
1	130-02340-01	130-02310-01
2	130-02340-02	130-02310-02
3	130-02340-03	130-02310-03
4	130-02340-04	130-02310-04
5	130-02340-05	130-02310-05
6	130-02340-06	130-02310-06
7	130-02340-07	130-02310-07
8	130-02340-08	130-02310-08
9	130-02340-09	130-02310-09
10	130-02340-10	130-02310-10
11	130-02340-11	130-02310-11
12	130-02340-12	130-02310-12
13	130-02340-13	130-02310-13
14	130-02340-14	130-02310-14
15	130-02340-15	130-02310-15
20	130-02340-20	130-02310-20
25	130-02340-25	130-02310-25

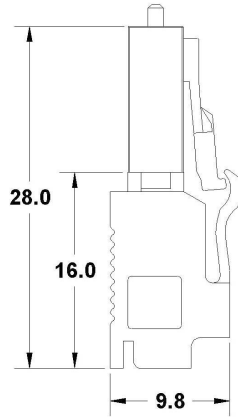
### FC/APC (8) SINGLEMODE

Dual Window Attenuators		
Attenuation	Tolerance ±15%	±10%
Part Numbers	Bandpass 1310/1550nm ±25nm	
Attenuation (dB)	FC/APC	R< -60 dB
1	130-01440-01	130-01410-01
2	130-01440-02	130-01410-02
3	130-01440-03	130-01410-03
4	130-01440-04	130-01410-04
5	130-01440-05	130-01410-05
6	130-01440-06	130-01410-06
7	130-01440-07	130-01410-07
8	130-01440-08	130-01410-08
9	130-01440-09	130-01410-09
10	130-01440-10	130-01410-10
11	130-01440-11	130-01410-11
12	130-01440-12	130-01410-12
13	130-01440-13	130-01410-13
14	130-01440-14	130-01410-14
15	130-01440-15	130-01410-15
20	130-01440-20	130-01410-20
25	130-01440-25	130-01410-25

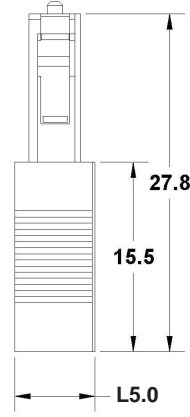
### SC/APC (8) SINGLEMODE

Dual Window Attenuators		
Attenuation	Tolerance ±15%	±10%
Part Numbers	Bandpass 1310/1550nm ±25nm	
Attenuation (dB)	SC/APC	R< -60 dB
1	130-02440-01	130-2410-01
2	130-02440-02	130-2410-02
3	130-02440-03	130-2410-03
4	130-02440-04	130-2410-04
5	130-02440-05	130-2410-05
6	130-02440-06	130-2410-06
7	130-02440-07	130-2410-07
8	130-02440-08	130-2410-08
9	130-02440-09	130-2410-09
10	130-02440-10	130-2410-10
11	130-02440-11	130-2410-11
12	130-02440-12	130-2410-12
13	130-02440-13	130-2410-13
14	130-02440-14	130-2410-14
15	130-02440-15	130-2410-15
20	130-02440-20	130-2410-20
25	130-02440-25	130-2410-25

## Attenuators



Note: Dimensions are in mm



Note: Dimensions are in mm

### LC/UPC SINGLEMODE

#### Dual Window Attenuators

Attenuation	Tolerance ±15%	±10%
Part Numbers	Bandpass 1310/1550nm ±25nm	
Attenuation (dB)	LC/UPC	R< -55 dB
1	130-04340-01	130-04310-01
2	130-04340-02	130-04310-02
3	130-04340-03	130-04310-03
4	130-04340-04	130-04310-04
5	130-04340-05	130-04310-05
6	130-04340-06	130-04310-06
7	130-04340-07	130-04310-07
8	130-04340-08	130-04310-08
9	130-04340-09	130-04310-09
10	130-04340-10	130-04310-10
11	130-04340-11	130-04310-11
12	130-04340-12	130-04310-12
13	130-04340-13	130-04310-13
14	130-04340-14	130-04310-14
15	130-04340-15	130-04310-15
20	130-04340-20	130-04310-20
25	130-04340-25	130-04310-25

### MU/UPC SINGLEMODE

#### Dual Window Attenuators

Attenuation	Tolerance ±15%	±10%
Part Numbers	Bandpass 1310/1550nm ±25nm	
Attenuation (dB)	MU/UPC	R< -55 dB
1	130-05340-01	130-05310-01
2	130-05340-02	130-05310-02
3	130-05340-03	130-05310-03
4	130-05340-04	130-05310-04
5	130-05340-05	130-05310-05
6	130-05340-06	130-05310-06
7	130-05340-07	130-05310-07
8	130-05340-08	130-05310-08
9	130-05340-09	130-05310-09
10	130-05340-10	130-05310-10
11	130-05340-11	130-05310-11
12	130-05340-12	130-05310-12
13	130-05340-13	130-05310-13
14	130-05340-14	130-05310-14
15	130-05340-15	130-05310-15
20	130-05340-20	130-05310-20
25	130-05340-25	130-05310-25

## Ordering Information

Standard Valdor component part numbers are specified with appropriate part number options. If you require devices different than standard devices, please contact our sales office or factory for ordering and pricing information.

Tel: (510) 324-0101 Fax: (510) 324-0303

Attenuators						
130 -	CC	P	S	O	- AA	
FC Attenuator	01					
SC Attenuator	02					
ST Attenuator	03					
LC Attenuator	04					
MU Attenuator	05					
PC		1				
SPC		2				
UPC		3				
APC		4				
10% 1310-1550 ± 25			1			
10% 1310-1550 ± 50			2			
10% 1260-1310/1430-1580 (Bellcore)			3			
15% 1310-1550 ± 25			4			
15% 1310-1550 ± 50			5			
15% 1260-1310/1430-1580 (Bellcore)			6			
10% 1550 ± 25			7			
other custom spec			8			
Standard Part				0		
Bellcore				3		
Other Custom Specification				CALL VALDOR SALES		
Attenuation Value in dB					AA	EXAMPLE
						<b>130-01210-01</b>
						FC/SPC 10% 1310-1550 +/-25 1dB

ATTEN