



# Attenuators

## Built Out Attenuators

### Feature

- 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 To The Home (FTTH)
- Local Area Networks (LAN)
- Cable Television (CATV), Video Distribution
- Passive Optical Networks
- Network Testing

### Specifications

#### Build Out Attenuators

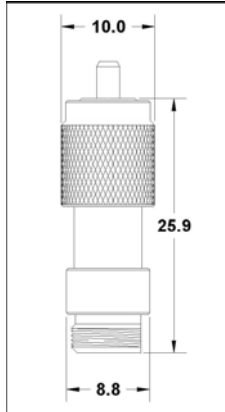
#### Specifications

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

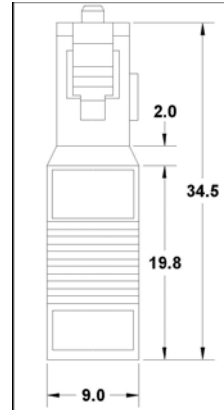
### Description

Valde 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. Valde attenuators are available in several different connector styles. Valde'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. Valde's Build Out Attenuators are Telecordia GR-NWT-000910 compliant.

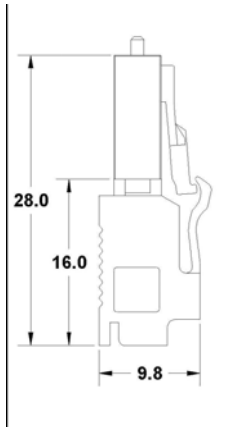
### Physical Dimensions (mm)



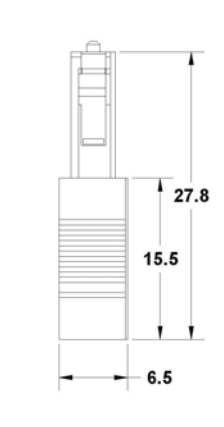
FC/UPC SINGLE MODE



SC/UPC SINGLE MODE



LC/UPC



MU/UPC

130



(Type)

SP = SC/PC

SU =SC/UPC



(Wavelength Range)

1 = 1310 nm

2 = 1550 nm

3 = 1310&1550 nm



(Insertion Loss)

01 = 1dB

02 = 2dB

03 = 3dB

04...ETC. = 4dB...ETC.

### Sales & Technical Information

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