

## Singlemode Attenuators

Attenuators are used in communication systems to reduce optical power launched onto the photo detector. These high performance devices are designed to give accurate attenuation over a wide range of wavelengths. The plug type configuration allows them to be used directly on the end of a patch cord, which in turn can insert directly into an adaptor.



Available in FC, SC, LC (short form factor) and ST connector styles with UPC or APC finish, attenuators provide ultra-low return loss and are available from 1dB to 30dB.

### Features

- Plug-in type package
- Accurate attenuation
- Ultra-low back reflection
- Broad wavelength band
- Flat response over all wavelengths
- Environmentally stable

### Applications

- Telecommunication networks
- Fibre optic sensors
- Test and measurement
- CATV
- LAN and WAN
- FTTX

### Specification

#### Parameter

Available Range of Attenuation	1 to 30dB with 1dB increments
Operating Wavelength	1310 and 1550nm (or single wavelength)
Operating Band Pass	Dual Window 1310 and 1550nm (±25nm)
Attenuators <10dB	± 0.5 dB
Attenuators 11 to 30dB	± 1dB
Reflectance	UPC = 50dB APC = 60dB
International Standard	Telcordia GR-910-CORE

### Ordering Information

FA	Connector		S	Attenuation		K
	SC	SC connector		01	1dB	
	SCA	SCA connector		02	2dB	
	FC	FC connector		03	3dB	
	FCA	FCA connector		04	4dB	
	LC	LC connector		05	5dB	
	LCA	LCA connector		06	6dB	
	ST	ST connector		07	7dB	
				08	8dB	
				09	9dB	
				10	10dB	
				...	...dB	
				30	30dB	

### Example Part Number

FA	SC	S	01	K
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This part number generator has created a 1dB SC Singlemode Attenuator.