

# Optical Attenuators



AT-SC



AT-FC



AT-LC

## Description

Samsung Optical Attenuators are designed to handle high optical power with very low back-reflections and outstanding wavelength reliability by being installed directly on optical paths.

## Feature / Benefit

- Precision attenuation
- Stable and accurate attenuation
- Operation at both 1310 nm and 1550 nm
- Very low back-reflection
- Free of cladding mode
- Excellent wavelength reliability
- High power capability

## Applications

- Receiver padding for optical sensor
- Optical power equalization
- Test equipment
- Multi-channel
- Subscriber loop

## Specifications

Item	Attenuation	Tolerance(dB)	
Insertion Loss	5 dB	± 0.5	wavelength: 1310~1550 nm
	10 dB	± 1.0	
	15 dB	± 1.5	
	20 dB	± 2.0	
Vibration	10~55 hz (1.5 mm)		Loss change: 0.2 dB
Impact	5 times, 1.5 m (Height)		
Dry Heat	70 °C, 96 hrs (4days)		
Damp Heat	40 °C, 93 % RH, 96 hrs (4days)		
Change of Temperature	-25 °C ~ 70 °C, normal temp: 25 °C, 1 °C/min 12 Cycle (1hrs / 1cycle), 96 hrs (4days)		

## Ordering

AT - XX - X - X - xx - X  
           ①    ②    ③    ④    ⑤

- |                        |   |
|------------------------|---|
| ① Connector type       | SC, FC, ST, LC  |
| ② Polishing type       | P: PC U: UPC A: APC   |
| ③ Application          | SM: single mode M5: multi mode(50/125) M6: multi mode(62.5/125) |
| ④ Attenuation value    | 01 ~ 20 dB  |
| ⑤ Operating wavelength | A: 1310 nm B: 1550 nm C: 1310 nm D: 1550 nm                     |