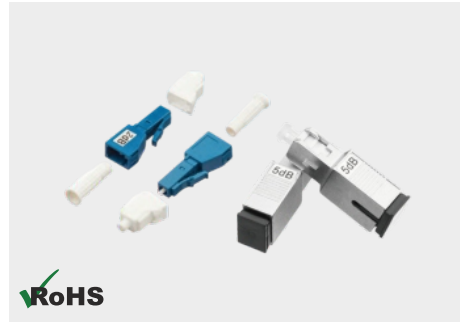


# FIBRE ATTENUATORS

Norden Fibre Optic Attenuators are designed to control and stabilize optical power levels, protecting sensitive equipment and optimizing signal transmission in fibre networks. Built for precision and consistency, they deliver stable fixed attenuation with low insertion loss, minimal polarization dependent loss (PDL), and high return loss. Available with SC, LC, FC, and ST connector types in both PC, UPC and APC polishing options. It ensures compatibility with a wide range of industry-standard applications.



## FEATURES

- Wide Attenuation Range
- Low Return Loss
- Low PDL (Polarization Dependent Loss)
- Various Connector Type
- Highly Reliable

## APPLICATIONS

- Optical Telecommunication Networks
- CATV (Cable Television) Networks
- FTTx Networks (FTTH, FTTB, FTTC)
- Optical Test and Measurement Systems
- High-Speed Data Transmission Systems

## SPECIFICATIONS

Parameters	SC	LC	FC	ST	
Operating Wavelength Range	1310 ± 40nm, 1550 ± 40nm				
Return Loss	PC Type	50dB	50dB	50dB	50dB
	UPC Type	50dB	50dB	50dB	50dB
	APC Type	65dB	60dB	65dB	65dB
Tolerance	dB ≤ 10 dB = ±0.5 dB ≥ 10 dB = ±10%		dB ≤ 10 dB = ±0.5 dB ≥ 10 dB = ±0.75		
Attenuator Type	Male to Female				
Operating Temperature	-40°C to +85°C				
Storage Temperature	-40°C to +85°C				

## ORDERING INFORMATION

Part Number	Description
NFA-SMFLC101	LC/PC SM Fibre Attenuator, Inline, Male-Female, 1dB
NFA-SMFLC103	LC/PC SM Fibre Attenuator, Inline, Male-Female, 3dB
NFA-SMFLC105	LC/PC SM Fibre Attenuator, Inline, Male-Female, 5dB
NFA-SMFLC110	LC/PC SM Fibre Attenuator, Inline, Male-Female, 10dB
NFA-SMFLC115	LC/PC SM Fibre Attenuator, Inline, Male-Female, 15dB
NFA-SMFLC201	LC/UPC SM Fibre Attenuator, Inline, Male-Female, 1dB
NFA-SMFLC203	LC/UPC SM Fibre Attenuator, Inline, Male-Female, 3dB
NFA-SMFLC205	LC/UPC SM Fibre Attenuator, Inline, Male-Female, 5dB
NFA-SMFLC210	LC/UPC SM Fibre Attenuator, Inline, Male-Female, 10dB
NFA-SMFLC215	LC/UPC SM Fibre Attenuator, Inline, Male-Female, 15dB
NFA-SMFLC301	LC/APC SM Fibre Attenuator, Inline, Male-Female, 1dB

# FIBRE ATTENUATORS

## ORDERING INFORMATION

Part Number	Description
NFA-SMFLC303	LC/APC SM Fibre Attenuator,Inline, Male-Female,3dB
NFA-SMFLC305	LC/APC SM Fibre Attenuator,Inline, Male-Female,5dB
NFA-SMFLC310	LC/APC SM Fibre Attenuator,Inline, Male-Female,10dB
NFA-SMFLC315	LC/APC SM Fibre Attenuator,Inline, Male-Female,15dB
NFA-SMFSC101	SC/PC SM Fibre Attenuator,Inline, Male-Female,1dB
NFA-SMFSC103	SC/PC SM Fibre Attenuator,Inline, Male-Female,3dB
NFA-SMFSC105	SC/PC SM Fibre Attenuator,Inline, Male-Female,5dB
NFA-SMFSC110	SC/PC SM Fibre Attenuator,Inline, Male-Female,10dB
NFA-SMFSC115	SC/PC SM Fibre Attenuator,Inline, Male-Female,15dB
NFA-SMFSC201	SC/UPC SM Fibre Attenuator,Inline, Male-Female,1dB
NFA-SMFSC203	SC/UPC SM Fibre Attenuator,Inline, Male-Female,3dB
NFA-SMFSC205	SC/UPC SM Fibre Attenuator,Inline, Male-Female,5dB
NFA-SMFSC210	SC/UPC SM Fibre Attenuator,Inline, Male-Female,10dB
NFA-SMFSC215	SC/UPC SM Fibre Attenuator,Inline, Male-Female,15dB
NFA-SMFSC301	SC/APC SM Fibre Attenuator,Inline, Male-Female,1dB
NFA-SMFSC303	SC/APC SM Fibre Attenuator,Inline, Male-Female,3dB
NFA-SMFSC305	SC/APC SM Fibre Attenuator,Inline, Male-Female,5dB
NFA-SMFSC310	SC/APC SM Fibre Attenuator,Inline, Male-Female,10dB
NFA-SMFSC315	SC/APC SM Fibre Attenuator,Inline, Male-Female,15dB
NFA-SMFFC101	FC/PC SM Fibre Attenuator,Inline, Male-Female,1dB
NFA-SMFFC103	FC/PC SM Fibre Attenuator,Inline, Male-Female,3dB
NFA-SMFFC105	FC/PC SM Fibre Attenuator,Inline, Male-Female,5dB
NFA-SMFFC110	FC/PC SM Fibre Attenuator,Inline, Male-Female,10dB
NFA-SMFFC115	FC/PC SM Fibre Attenuator,Inline, Male-Female,15dB
NFA-SMFFC201	FC/UPC SM Fibre Attenuator,Inline, Male-Female,1dB
NFA-SMFFC203	FC/UPC SM Fibre Attenuator,Inline, Male-Female,3dB
NFA-SMFFC205	FC/UPC SM Fibre Attenuator,Inline, Male-Female,5dB
NFA-SMFFC210	FC/UPC SM Fibre Attenuator,Inline, Male-Female,10dB
NFA-SMFFC215	FC/UPC SM Fibre Attenuator,Inline, Male-Female,15dB
NFA-SMFFC301	FC/APC SM Fibre Attenuator,Inline, Male-Female,1dB
NFA-SMFFC303	FC/APC SM Fibre Attenuator,Inline, Male-Female,3dB
NFA-SMFFC305	FC/APC SM Fibre Attenuator,Inline, Male-Female,5dB
NFA-SMFFC310	FC/APC SM Fibre Attenuator,Inline, Male-Female,10dB
NFA-SMFFC315	FC/APC SM Fibre Attenuator,Inline, Male-Female,15dB
NFA-SMFST101	ST/PC SM Fibre Attenuator,Inline, Male-Female,1dB
NFA-SMFST103	ST/PC SM Fibre Attenuator,Inline, Male-Female,3dB
NFA-SMFST105	ST/PC SM Fibre Attenuator,Inline, Male-Female,5dB
NFA-SMFST110	ST/PC SM Fibre Attenuator,Inline, Male-Female,10dB
NFA-SMFST115	ST/PC SM Fibre Attenuator,Inline, Male-Female,15dB
NFA-SMFST201	ST/UPC SM Fibre Attenuator,Inline, Male-Female,1dB
NFA-SMFST203	ST/UPC SM Fibre Attenuator,Inline, Male-Female,3dB
NFA-SMFST205	ST/UPC SM Fibre Attenuator,Inline, Male-Female,5dB
NFA-SMFST210	ST/UPC SM Fibre Attenuator,Inline, Male-Female,10dB
NFA-SMFST215	ST/UPC SM Fibre Attenuator,Inline, Male-Female,15dB

# FIBRE ATTENUATORS

## ORDERING INFORMATION

Part Number	Description
NFA-SMFST301	ST/APC SM Fibre Attenuator,Inline, Male-Female,1dB
NFA-SMFST303	ST/APC SM Fibre Attenuator,Inline, Male-Female,3dB
NFA-SMFST305	ST/APC SM Fibre Attenuator,Inline, Male-Female,5dB
NFA-SMFST310	ST/APC SM Fibre Attenuator,Inline, Male-Female,10dB
NFA-SMFST315	ST/APC SM Fibre Attenuator,Inline, Male-Female,15dB