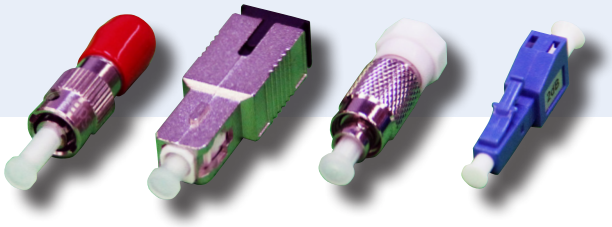
Fibre Optic Attenuators - Plug Type (BOA)



Fixed fibre optic attenuators are an easily implimented power correction method for your network that provide a precise level of power reduction to your transmitters. FOS 'Build out attenuators' (BOAs) are typically employed to control power levels to fall within receiver sensitivity range. Other uses include simulation of real world conditions in test networks or equalising channel strength in multi-wavelength networks.

FOS has a large range of plug type attenuators in both multi-mode and singlemode varieties available ex stock. Many connector variants are available in a range of attenuation values that will ensure your network is operating within its design loss budget.

Applications

- Telecommunications Network
- CATV Network
- Data Communication
- Instrumentation and Test Platforms
- FTTx
- Local Area Network

Features & Benefits

- Optimised ion doped fibre technology allows for consitant results regardless of dirt build-up, moisture or temperature variations
- Excellent durability and robust construction
- Low polarisation dependence
- Superior spectral flatness and very low ripples
- Withstands high optical performance up to 1W
- Telcordia GR-910-CORE compliant
- When implemented correctly, can improve the lifespan of sensitive transceiver equipment

Technical Specifications

Fibre Mode/Size (um)	Singlemode 9/125	Multimode 50/125, 62.5/125
Attenuation Value (dB)	0 to 20 (1dB increments), 25, 30	0 to 25 (1dB increments)
Operating Wavelength (nm)	1260 - 1625	850, 1300
Return Loss (min dB)	**SPC:** 40 **UPC:** 55 **APC:** 65	
Tolerance (dB) **1 - 10 dB:** **11 - 15 dB:** **16 - 30 dB:**	± 0.5 ± 1.0 ± 2.0	± 0.5
Maximum Power Capacity	1W	1W

For further information:
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FOS
Fibre Optic Systems

Ordering Information

ATT - SC 05 - M1

ATT: Attenuator

Connector Style

SC:	SC/UPC
SCA:	SC/APC
LC:	LC/UPC
LCA:	LC/APC
ST:	ST/UPC
FC:	FC/UPC
MU:	MU/UPC
45M:	MU 4.5mm

Attenuation (dB)

MM:	0 - 25
SM:	0 - 20, 25, 30

Mode

S:	Singlemode
M1:	Multimode OM1
M3/4:	Multimode OM3 & OM4