

Fibre Optic Attenuators – Plug Type (BOA)



Fixed fibre optic attenuators are an easily implemented power correction method for your network that provide a precise level of power reduction to your transmitters. OSA '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.

OSA has a large range of plug type attenuators in both multimode 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.



KEY FEATURES

- Optimised ion doped fibre technology allows for consistent 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

Applications

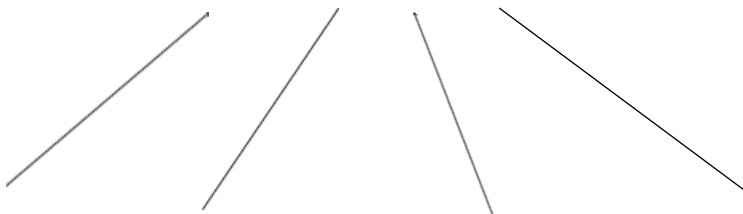
- Telecommunications Network
- CATV Network
- Data Communication
- Instrumentation and Test Platforms
- FTTx
- Local Area Network

Technical Specifications

Part Number	OSA-ATT	
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: ± 0.5 11 - 15 dB: ± 1.0 16 - 30 dB: ± 2.0	± 0.5
Maximum Power Capacity	1W	1W

Ordering Information

ATT - SC 05 - M1



ATT: Attenuator	Connector Style	Attenuation (dB)	Mode
	SC: SC/UPC	MM: 0 - 25	S: Singlemode
	SCA: SC/APC	SM: 0 - 20, 25, 30	M1: Multimode OM1
	LC: LC/UPC		M3/4: Multimode OM3 & OM4
	LCA: LC/APC		
	ST: ST/UPC		
	FC: FC/UPC		
	MU: MU/UPC		
	45M: MU 4.5mm		

NSW - Silverwater

Unit 4, 52 Holker Street
Silverwater NSW 2128

E: sales@opticalsolutions.com.au

P: +61 2 9395 1400

F: +61 2 9647 0014

NSW - Sydney City

Unit 10, 10 Bradford Street
Alexandria NSW 2015

E: sydcity@opticalsolutions.com.au

P: +61 2 9304 4555

F: +61 2 9700 8055

VIC

Unit 3 / 1 Rocklea Drive
Port Melbourne VIC 3207

E: vicsales@opticalsolutions.com.au

P: +61 3 9646 4166

F: +61 3 9646 4155

QLD

Unit 2/ 40 Borthwick Ave
Murarrie QLD 4172

E: qldsals@opticalsolutions.com.au

P: +61 7 3399 5280

F: +61 7 3399 9805

ACT

22 Isa Street
Fyshwick ACT 2609

E: actsales@opticalsolutions.com.au

P: +61 2 6162 4600

F: +61 2 6162 4605

WA

28a Teddington Rd
Burswood WA 6100

E: wasaes@opticalsolutions.com.au

P: +61 8 9361 7000

F: +61 8 9361 7011