



FIXED ATTENUATORS

KEY FEATURES AND BENEFITS

In addition to optical transceivers and passive network solutions, Champion ONE also provides a full line of accessories to ensure you will always get the most out of your network, including plug-type fixed attenuators. Common applications for these attenuators include receiver padding for optical receiver protection, optical power equalization, and testing of linearity and dynamic range in laboratory equipment.

Plug-type attenuators are attached directly to the ends of fiberoptic jumpers prior to installation in adapters. These products provide a fixed level of attenuation with an extremely low return loss. Low wavelength dependency makes them best-suited for use in WDM and DWDM transmission systems.

TECHNICAL SPECIFICATIONS

Table 1a: Performance Specifications

Part #	
Attenuation Ranges	1.0 / 5.0 / 15.0 / 20.0 / 30.0 dB
Stability	± 0.5 dB (1.0 dB range) ± 0.8 dB (5.0 dB range) ± 10% (range > 10.0 dB)
Operating Wavelength	1250 - 1650 nm
Return Loss (see table below)	≥ 50 dB (UPC polishing) ≥ 60 dB (APC polishing)
Power Durability	250 mW
Temperature Range	-25 to 70° C (operating) -40 to 80° C (storage)

Table 1b: Connector and Polish Options

SC / FC / LC connector	APC or UPC polish
ST / MU connector	UPC polish only

ORDERING INFORMATION

PART NUMBER SCHEME: **ATTENXXDBYYYY**

XX	Decibel Level
01	1 dB
02	2 dB
03	3 dB
05	5 dB
10	10 dB
15	15 dB
20	20 dB

YYYY	Connector Types
L	LC/UPC
LA	LC/APC
S	SC/UPC
SA	SC/APC
F	FC/UPC
FA	FC/APC
T	ST/UPC
TA	ST/APC

SERVICE AND SUPPORT

Running a network or selling network services and products can be a highly competitive endeavor. To help differentiate your business and enable you to provide more cost effective infrastructure, you require a partner that provides competitive pricing and vertical market expertise. At Champion ONE we understand your needs. We leverage our skills and relationships to:

- Provide network design services and help you explore alternative network designs you may not have considered
- Provide technical and sales support when you need it
- Accept orders for same day shipment up to 3:00 PM EST
- Offer some of the longest warranties in the industry
- Offer a 30-day return policy
- Build a long- term supplier partnership with you

You can rely on Champion ONE, not only for the highest levels of availability for the products you need, but the technical support, customer service and cost consideration you deserve. Our goal is your complete satisfaction.

THE CHAMPION ONE COMMITMENT



For over twenty years, we at Champion ONE have been delivering great value to our customers through high-quality products at competitive prices. As one of the leading suppliers of compatible optical transceivers and a major supplier of optical networking solutions, we take great pride in building long-term relationships as a trusted partner. In this spirit, everything we bring to market bears the Champion ONE Shield™, which strengthens this trust through five core promises: Performance, Availability, Compatibility, Protection, and Value.

GLOBAL HEADQUARTERS

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