

FIBER OPTIC BUILDOUT ATTENUATOR

FAT-XXX-XX-A-X OPTICAL ATTENUATORS

The MEXFO SERV® Fiber Optic Attenuators provide superior performance for all single-mode in-line attenuation requirements. Standard attenuation values are 5, 10 & 15 dB and are available in SC, FC, ST, LC & MU connector configurations. Attenuation is achieved by controlled absorption of light energy. MEXFO SERV® is one of the only manufacturers of attenuators in North America which allows us to better control the quality and lead times.



FC UPC Fiber Optic Buildout Attenuator



FC APC Fiber Optic Buildout Attenuator



Plastic SC UPC Fiber Optic Buildout Attenuator



Plastic SC APC Fiber Optic Buildout Attenuator



Metallic SC UPC Fiber Optic Buildout Attenuator



Metallic SC APC Fiber Optic Buildout Attenuator



LC UPC Fiber Optic Buildout Attenuator



LC APC Fiber Optic Buildout Attenuator



ST UPC Fiber Optic Buildout Attenuator



MU UPC Fiber Optic Buildout Attenuator

APPLICATIONS

- Broadband network
- Fiber in the loop
- CATV Networks
- Local Area Networks (LAN)
- Network testing
- Passive Optical Networks (PON)

GENERAL CHARACTERISTICS

- Low back reflection
- Long-term reliability
- Polarization insensitive - doped fiber
- Compact design fits in existing connections or patch cords.
- High durability over high power

STANDARDS

- GR-910
- RoHS
- GR-326-CORE
- UL 94 rating
- IEC 61300-3-35
- Telcordia, FOCIS 3 and JIS specs

Note: Illustrative images



MEXFO SERV® offers a large variety of fiber optic buildout attenuators. If you don't see what you are looking for or have questions about our ordering matrix contained on this spec sheet please email us info@mexfoserv.com



SPECIFICATIONS

SINGLE-MODE SPECIFICATIONS								
	UPC (ULTRA-PHYSICAL CONTACT)					APC (ANGLED PHYSICAL CONTACT)		
CONNECTOR TYPE	SC	FC	ST	LC	MU	SC	FC	LC
Material	Plastic / metallic	Metallic	Metallic	Plastic	Plastic	Plastic / metallic	Metallic	Plastic
Max. Insertion Loss (1310nm & 1550nm)	±0.5dB (1 to 10 dB) ±5% (11 to 30 dB)							
Min. Return Loss (1310nm & 1550nm)	≥ -55dB	≥ -50dB	≥ -50dB	≥ -55dB	≥ -50dB	≥ -65 dB	≥ -50dB	≥ -65 dB
Ferrule Type	Ceramic							
Ferrule Diameter	2.5mm			1.25mm		2.5mm		1.25mm
Operational Temperature	-40°C ~+85°C							
Durability	500 matings							

PACKAGING

PACKAGING TYPE	
Individual	Attenuators inside a 5" X 3" plastic bag.
50 Pieces	Individual plastic bags inside a CC-MINI3 240 x 205 x 37 mm (5.51 x 8.07 x 1.46") carton box.
Master box	16 CC-MINI3 boxes inside a CC-AO2 375 x 375 x 225 mm (14.76 x 14.76 x 8.86") carton box.
Pallet packaging	48 CC-AO2 carton boxes mounted a certified 1.2 x 1.0 m (48 x 40") standard pallet.



INDIVIDUAL BAG



50 PIECES BOX



MASTER BOX



PALLET PACKAGING

Note: Illustrative images

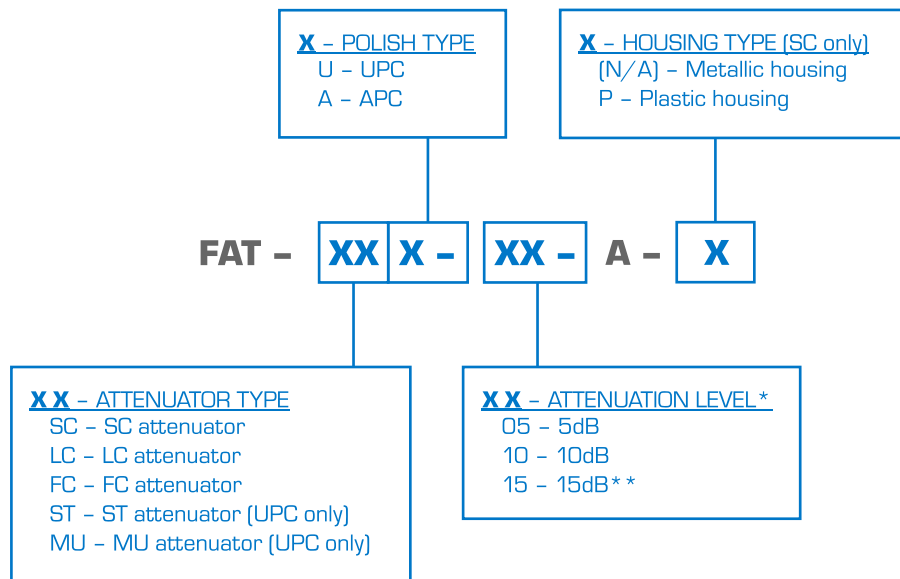


WEIGHT TABLE				
NAME PRODUCT	INDIVIDUAL	50 PIECES	MASTER BOX	PALLET
ST UPC Fiber Optic Buildout Attenuator	3.3 gr	165 gr	3.08 kg	167.84 kg
MU UPC Fiber Optic Buildout Attenuator	2.1 gr	105 gr	2.12 kg	121.76 kg
Metallic SC APC Fiber Optic Buildout Attenuator	9 gr	450 gr	7.64 kg	386.72 kg
Plastic SC APC Fiber Optic Buildout Attenuator	4 gr	200 gr	3.64 kg	194.72 kg
FC UPC Fiber Optic Buildout Attenuator	3.9 gr	200 gr	3.64 kg	194.72 kg
LC UPC Fiber Optic Buildout Attenuator	2.6 gr	130 gr	2.52 kg	140.96 kg
Plastic SC UPC Fiber Optic Buildout Attenuator	4 gr	200 gr	3.64 kg	194.72 kg
Metallic SC UPC Fiber Optic Buildout Attenuator	9 gr	450 gr	7.64 kg	386.72 kg
FC APC Fiber Optic Buildout Attenuator	3.9 gr	200 gr	3.64 kg	194.72 kg
LC APC Fiber Optic Buildout Attenuator	2.6 gr	130 gr	2.52 kg	140.96 kg



ORDERING MATRIX

FIBER OPTIC BUILDOUT ATTENUATOR


Notes:

* Fixed attenuation values are available in 1dB increments from 1 to 15dB. Mexfoserv® stocks standard 5, 10 & 15 dB attenuation levels in most configurations.

** FCA attenuator unavailable in 15 dB configuration.

