

# Datasheet

## Fiber Optic Attenuator

Version: 23.04.2019

### Application

- Attenuators reduce the optical power transmitted through a fiber
- The most common uses include equalizing power between fibers and multi-fiber systems and reducing power to avoid clipping in the receiver
- Plug-in type attenuators are suitable for direct insertion into a transmission line

### Available Fibers

- E9/125µm (OS2)
- G50/125µm (OM2/OM3/OM4)
- G62.5/125µm (OM1)

### Available Connectors

- SC; SC/APC
- FC; FC/APC
- ST
- LC
- MU
- E-2000® (LSH) /E-2000® (LSH) APC



Fiber Optic Attenuator, Plug-in Type

**Technical data**

<b>Attenuation values</b>	2; 5; 8; 10; 15 or 20 dB, others on request	
<b>Operating wavelength</b>	sm	1,310 and 1,550 nm
	mm	850 and 1,300 nm
<b>Tolerance</b>	Nominal 1 to 10dB	± 1.0 dB
	Nominal 10 to 30dB	± 2.0 dB
<b>Return loss</b>	PC polish	> 40 dB
	UPC polish	> 50 dB
	APC polish	> 60 dB
<b>Temperature coefficient</b>	0.002 dB/° C	
<b>Operating temperature</b>	– 40° C to + 70° C	
<b>Storage temperature</b>	– 50° C to + 85° C	
<b>Polarization stability</b>	± 0.25 dB	
<b>Standard design</b>	Fused Fiber: attenuation achieved by defined kink in the fiber	
<b>Special design</b>	Doped fiber (optional at extra cost): independent from UMD and EMD	

