

order number: J08093A5205

Attenuator LC, E9/125, 1310/1550 nm



Technical Attributes	
Description	Attenuator LC, E9/125, 1310/1550 nm
Insertion loss	5 dB

Product description

Attenuators are used to adapt the transmitted light power to the characteristics of the implanted receiver. The Telegärtner SC and LC single mode inline attenuator brings together the benefits of an attenuation performed using special doped fiber and the innovative features of the SC and LC connector system.

Different insertion loss values are achieved using specially doped fibers, thus ensuring availability over the full range of wavelengths from 1250 to 1360 nm and 1480 to 1580 nm. The standard product range includes attenuators in 5 dB and 10 dB; max. 30 dB with 1 dB increments are also available on request.

Telegärtner attenuators are characterized by low tolerance, constant attenuation values over the entire service life, a robust design with metal housing and by simple, economic handling.

Climatic Characteristics	
Operating temperature in °C	-5°...70° C
Storage temperature in °C	-25°...80° C

Optical Characteristics	
Connector type: Singlemode PC	SC, LC
Fiber	9/125 µm
Wavelength	1250 nm - 1360 nm; 1480 nm - 1580 nm
Attenuation	for 5 dB, 10 dB, 15 dB, 20 dB, 25 dB, 30 dB, on request in 1 dB steps
Maximal attenuation tolerance	for 1-5 dB: ±0.5 dB ¹ ; for 6-10: ±1 dB ¹ ; for 11-20 dB: ±1.5 dB ¹ ;

	for 21-30 dB: ± 2 dB ¹
Durability (mating cycles)	≥ 500
Return loss: Singlemode APC	≥ 65 dB ²
Return loss: Singlemode PC	≥ 43 dB ²
Ferrule split sleeve	ceramic, slotted sleeve