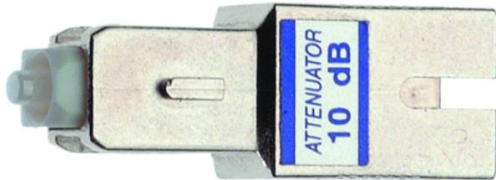


order number: J08093A1225

Attenuator SC/APC, E9/125, 1310/1550 nm



Technical Attributes	
Description	Attenuator SC/APC, E9/125, 1310/1550 nm
Insertion loss	25 dB

### Product description

Attenuators are used to adapt the transmitted light power to the characteristics of the implanted receiver. The Telegärtner ST, SC, FC single mode inline attenuator brings together the benefits of an attenuation performed using special doped fibre and the innovative features of the SC, LC – PC (0°) or APC (8°) connector system.

Different insertion loss values are achieved using specially doped fibres, 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 increments up to max. 30 dB; 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	-5°...70° C
Storage temperature	-25°...80° C

Optical Characteristics	
Connector type: Singlemode APC	SC, FC, LC
Connector type: Singlemode PC	ST, SC, FC, LC
Fibre	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: $\pm 0.5$ dB <sup>1</sup> ; for 6-10: $\pm 1$ dB <sup>1</sup> ; for 11-20 dB: $\pm 1.5$ dB <sup>1</sup> ; for 21-30 dB: $\pm 2$ dB <sup>1</sup>
Durability (mating cycles)	$\geq 500$
Return loss: Singlemode APC	$\geq 65$ dB <sup>2</sup>
Return loss: Singlemode PC	$\geq 43$ dB <sup>2</sup>
Ferrule split sleeve	ceramic, slotted sleeve