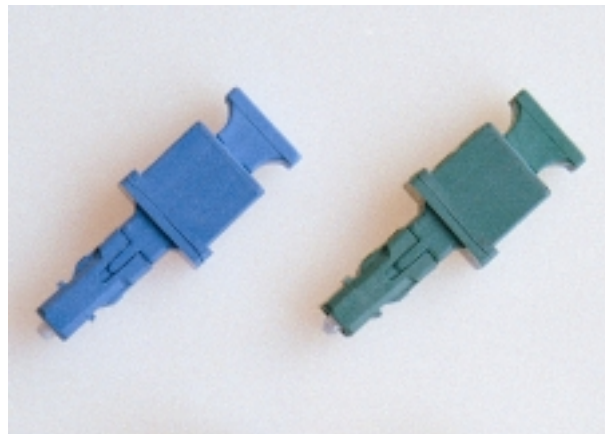


SC2 Plug-In Fixed Attenuator

Technical Specification



GENERAL

This specification covers the requirement of the SC2 Plug-In Fixed Attenuator.

APPLICATIONS

- Prevents detector overload
- Reduces or balances power
- In-line serial application

FEATURES

- Manufactured with Long Metal Doped Fibre
- Compact and simple structure
- Stable performance with environmental variations
- Stable performance in a wide wavelength range
- Stable and low Polarisation Dependence Loss (PDL)
- SPC, UPC, UPC Premium, APC, and APC Premium polishing available. See Table.
- High durability

OPTICAL CHARACTERISTICS

Fibre	Long Metal Doped Fibre
Wavelength	1310 nm and 1550 nm
Polarization Dependence Loss (PDL)	< 0.1 dB
Power Endurance	More than 2 years exposure of 100 mW power light
Peak Power Endurance	15 minutes exposure of 977 mW power light

Typical Attenuation Tolerance [dB]

Nominal Value [dB]	Standard Tolerance [dB]	Narrow Tolerance [dB]
1 ÷ 2 dB	± 0.4 dB	± 0.2 dB
3 ÷ 14 dB	± 0.5 dB	± 0.3 dB
15 ÷ 25 dB	± 0.7 dB	± 0.5 dB

(Other tolerances are available on request.)

Typical Return Loss [dB]

SPC	UPC	UPC Premium*	APC	APC Premium*
≥ 45	≥ 50	≥ 55	≥ 60	≥ 65

* Available on Request

ENVIRONMENTAL SPECIFICATIONS

	min	typ	max
Operating Temperature [°C]	- 20	+ 25	+ 60
Storage Temperature [°C]	- 25	+ 25	+ 80

MATERIALS

Parts	Material
Body	PBT
Dust cap (female side)	PBT
Dust cap (male side)	Vinyl
Sleeve	Zirconia
Ferrule	Zirconia
Ferrule flange	Brass