

## ■Product Information

Product Name: Optical fiber Adapter

Product Model: SCAPC-SCAPC-SM-SX

## ■Product features

- Low insertion loss
- Good repeatability
- Good Interchangeability
- Good temperature stability



## ■Applications

- Optical fiber communication system
- Optical fiber CATV
- Optical access network
- Local Area Network(LAN)
- Optical fiber transmission
- Test Equipment

## ■Product Parameters

### 1.Optical Performance

Item	Spec.
Insertion loss	≤0.2dB
Return loss	≥60dB
Interchangeability	≤0.1dB
Operating Temperature	-40~85°C
Storage Temperature	-45~85°C

### 2.Material Characteristics

Item	Spec.
Durability	≥1000Times
Insert strength	≤19.6N
Pulling strength	≤19.6N
Tensile strength	≥40N

## ■Environmental performance of products

Project	Test condition	Index
High temperature	85°C, 96H	ΔIL≤0.1dB、ΔRL≤3dB
Low temperature	-40°C, 96H	ΔIL≤0.1dB、ΔRL≤3dB
Temperature Cycle	-40~+85°C, 3.5H/Cycle, 40times loop	ΔIL≤0.1dB、ΔRL≤3dB
Hot and humid	110°C, 90%RH, 2 atmospheric pressure, 96H	ΔIL≤0.1dB、ΔRL≤3dB
Immersion	43°C, PH5.5, 168H	ΔIL≤0.1dB、ΔRL≤3dB

## ■Mechanical properties of products

Project	Test condition	Index
To attack	1.8m, three axial, 8 times / axial	ΔIL≤0.1dB、ΔRL≤3dB
Vibration	10 to 50HZ, 45 times /min, amplitude 0.75mm, three axial. Each axial 30min	ΔIL≤0.1dB、ΔRL≤3dB
Reverse	Distance machine 20 to 28cm, + 180 degrees, 6s/ times, 25 times	ΔIL≤0.1dB、ΔRL≤3dB
Tensile	The distance from the plug is 20 to 28cm, 1min, and the load is 40N	ΔIL≤0.1dB、ΔRL≤3dB