

# Fiber Optic Fixed Attenuator Specification

## 1 Scope

This specification applies to the fiber optic fixed attenuators specified below.

## 2 Model:

Model number description: TFC-ATT-SC-※dB

Model Code	Item	Specification	
TFC			
ATT	Product name	ATT	Fiber Optic Fixed Attenuator
SC	Connector type *1	SC	SC connector
		LC	LC connector
※dB	Attenuation *2	3	3dB
		5	5dB
		10	10dB
		15	15dB
		20	20dB

\*1: ST connectors and FC connectors are also available upon request.

\*2: Attenuation values not listed, from 0 to 20 dB, are also available upon request.

## 3 Characteristics:

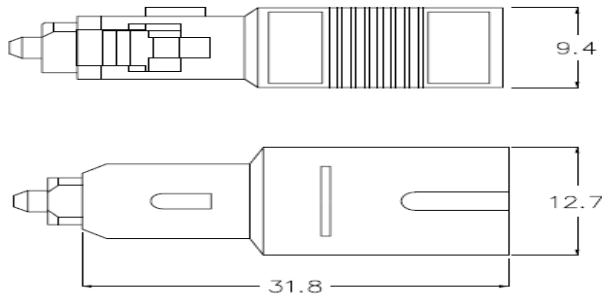
Item	Specification
Attenuation / Tolerance	0 dB to 10 dB: $\pm 0.5$ dB / 11 dB to 20 dB: $\pm 10\%$
Return Loss	UPC polishing: $\geq 50$ dB SPC polishing: $\geq 40$ dB / / APC polishing: $\geq 60$ dB
Wavelength Range	SM: 1260 to 1650 nm
Allowable Power	$\leq 500$ mW, high-power compatible
Applicable Fiber	Single-mode *1
Standard	Compliant with Telcordia GR-910-CORE
Operating Temperature (° C)	-20 to +70
Storage Temperature (° C)	-40 to +80
Humidity, no condensation	95% or less
Polishing Method	UPC polishing *2

\*1: Multi-mode compatibility is also available upon request.

\*2: SPC polishing and APC polishing are also available as standard options upon request.

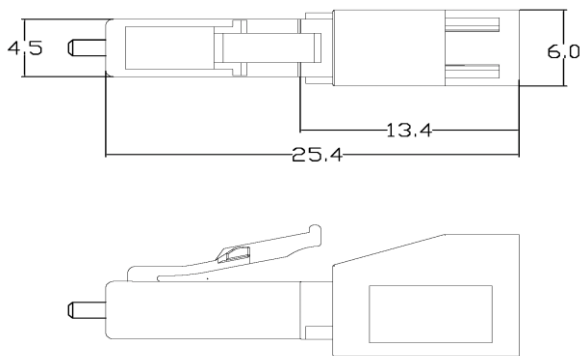
4 Structure :

1) SC



Part Name	Material
Body	Zinc alloy
Plug cap	Resin
Ferrule cap	Resin
Split sleeve	Zirconia
Ferrule	Zirconia

2) LC



Part Name	Material
Body	Resin
Plug cap	Resin
Ferrule cap	Resin
Split sleeve	Zirconia
Ferrule	Zirconia

\* LC slim housing type; continuous mounting at 6.25 mm pitch is possible.

5 Packaging and Labeling :

Each fiber optic fixed attenuator shall be individually packed in a plastic bag and packaged appropriately to prevent damage during transportation.

The following information shall be indicated on the plastic bag :  
 Labeling information : Product name, serial number, quantity, etc.  
 Attached item : Inspection data

6 Warranty :

The warranty period for the product shall be one year after delivery.  
 However, if a failure discovered during normal use is clearly determined to be due to a structural defect or manufacturing error attributable to the manufacturer, a replacement shall be provided free of charge, limited to the number of defective products and the sales amount limit.

Any indirect or incidental damages related to use, such as product removal, shall be excluded from the scope of warranty.

7 Changes to Specifications :

Specifications and configuration are subject to change without notice for performance improvement.