DOCUMENT NUMBER S04-H029-03E

SSC-AN2 Series

SC ADAPTOR

- Metal type for Angled-PC -

TECHNICAL SPECIFICATIONS

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SSC-AN2 Series FC ADAPTOR – Metal type for Angled – PC –
TECHNICAL SPECIFICATIONS

S04-019-0	June	1995
S04-019-1	August	1995
S04-019-2	July	1996
S04-H029-01E	October	2006
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1 SCOPE

These specifications apply to the SSC-AN2 series SC adaptor – Metal type for Angled – PC -supplied by SEIKOH GIKEN Co., Ltd.

2 PART NUMBER

Part number of the housing is shown in Table 1.

Table 1 Part Number

MODEL Number	TYPE Number
SSC-AN2	**2 2 B 0 2 G**

Slit Sleeve	
2	Zirconia

Auxiliary digit
0 2 G

Marking	
2	SG

Cap	
B	Green Plastic Cap

Please contact us for other specifications.

3 GENERAL SPECIFICATIONS

3.1 Physical Dimensions

The product shall meat the specification in drawings.

- In accordance with IEC 61754-4 Type SC connector family.
- In accordance with JIS C 5973 F04 Type connectors.

3.2 Insertion Loss

Insertion loss shall be 0.2dB or less by the measurement method ; L04-008n-2

3.3 Appearance

There should be no burr, peeling of plating or scratches that affect the product.

4 FEATURE

4.1 Mechanical Characteristics

Mechanical characteristics are shown in table 2.

Table 2 Mechanical characteristics

Test item	Conditions		Characteristics
Vibration	IEC 61300-2-1	Frequency: 10 to 55 Hz Amplitude: 1.5 mm p-p Direction: x, y, z axis Duration: 30 min / direction	Insertion loss <=0.5dB
Tensile strength of coupling mechanism	IEC 61300-2-6	Tensile load: 68.6N(7kgf)	
Ferrule withdrawal force	IEC 61300-3-33	Gauge : 2.499+/-0.0005mm	1.9 ~ 3.9N (0.2 ~ 0.4kgf)
Mating durability	IEC 61300-2-2	500 times	Insertion loss <=0.5dB

4.2 Environmental Characteristics

Environmental characteristics are shown in table 3.

Table 3 Environmental characteristics

Test item	Conditions		Characteristics
Change of temperature	IEC 61300-2-22	-40 to +85 °C, 10 cycles	Insertion loss <=0.5dB
Dry heat	IEC 61300-2-18	+85 °C, 240 hr	
Cold	IEC 61300-2-17	-40 °C, 240 hr	
Humidity / condensation cycling	Telcordia GR-326-CORE	-10 to +65 °C, 90 to 100 %RH, 14 cycles	

5 PACKING

The product is packed to prevent damage during shipment.

6 IDENTIFICATION

Identification label should indicate the part number and lot number of the product(s) and should be permanently attached to the packing bag.

7 HANDLING AND CARE

7.1 Precautions for Storage

For storage of the product, keep in the packing bag and keep away from corrosive gas, high-temperature and humidity, extreme-low temperature and direct sunlight.

7.2 Precautions for Use

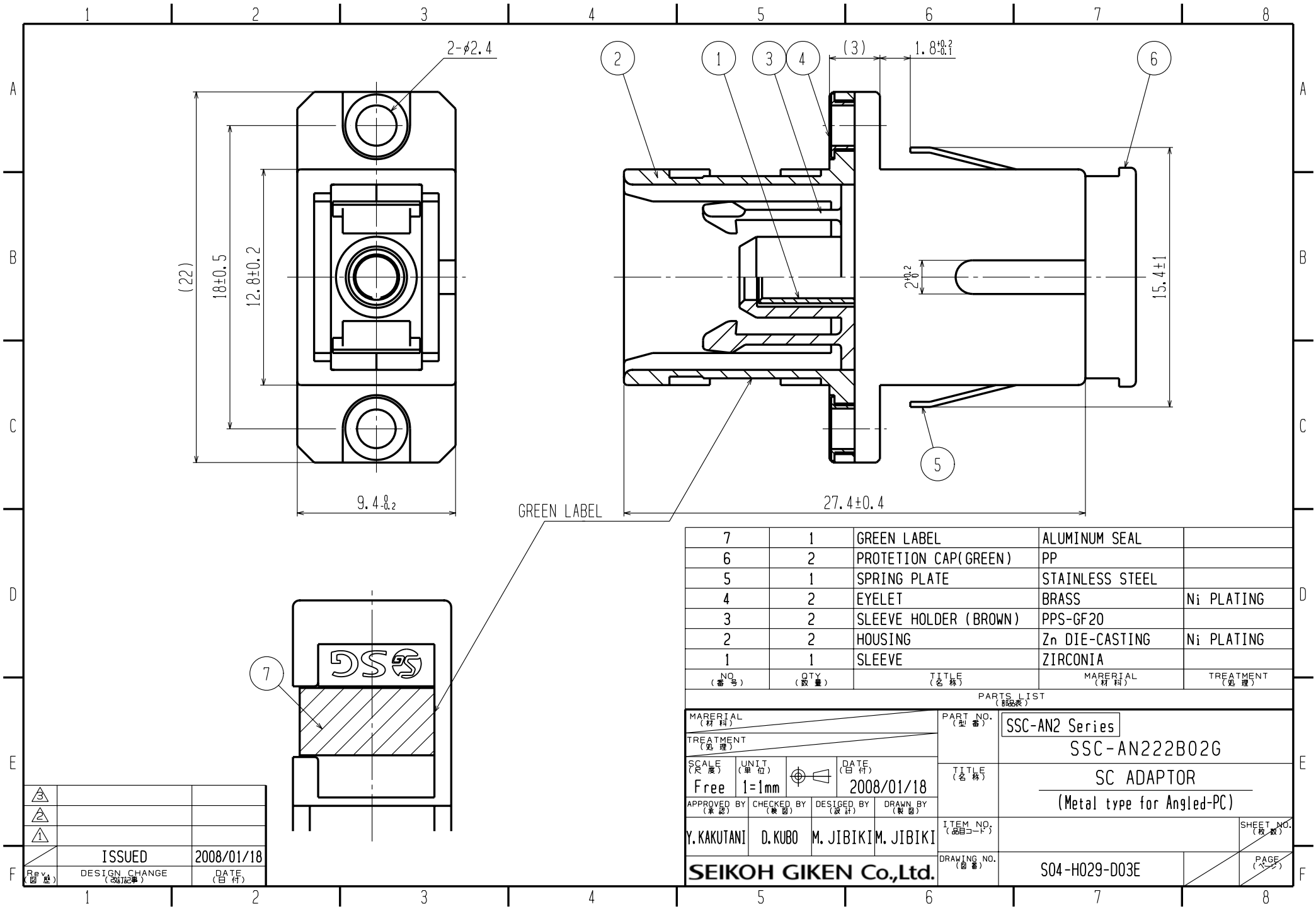
Contamination, oil, sweat and others debris on the inside of the slit sleeve may influence the performance of the product. If contamination is on the inside of the slit sleeve, clean the inside before connecting.

7.3 Disposal

When discarding this product, please follow the regulations of your own country.

8 DRAWING

· S04-H029-D03E : SSC-AN222B02G
· Insertion loss measurement method. : L04-008n-2



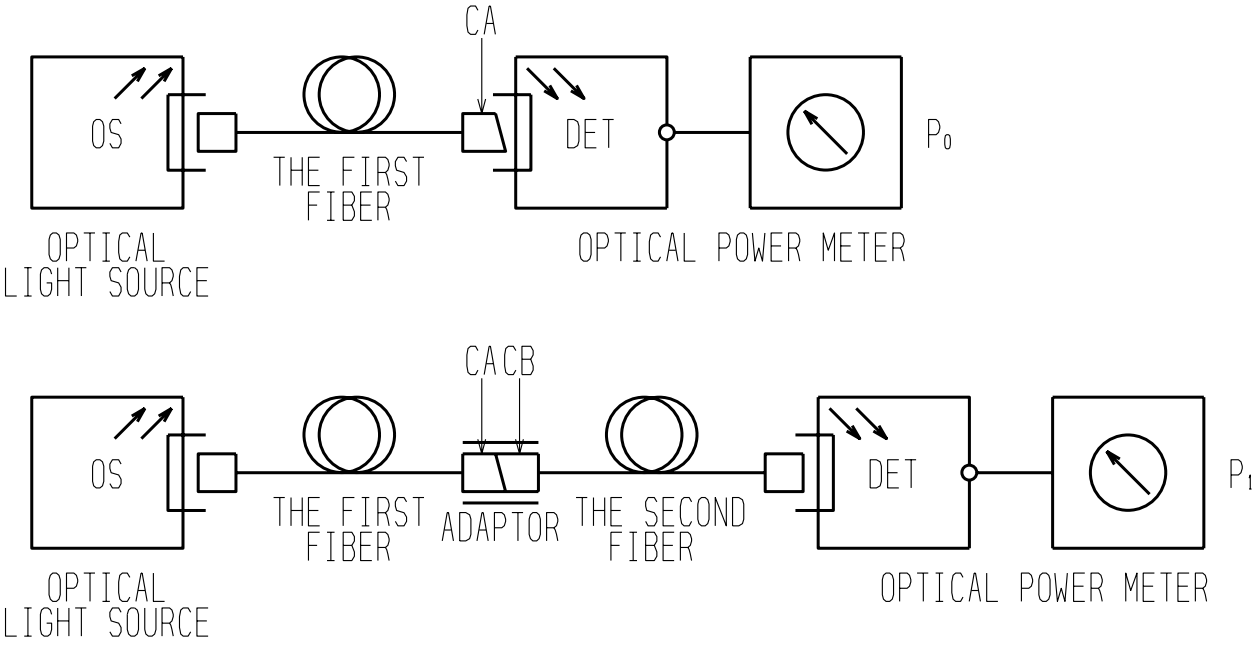
NO (番号)	QTY (数量)	TITLE (名称)	MARERIAL (材料)	TREATMENT (処理)
7	1	GREEN LABEL	ALUMINUM SEAL	
6	2	PROTETION CAP(GREEN)	PP	
5	1	SPRING PLATE	STAINLESS STEEL	
4	2	EYELET	BRASS	Ni PLATING
3	2	SLEEVE HOLDER (BROWN)	PPS-GF20	
2	2	HOUSING	Zn DIE-CASTING	Ni PLATING
1	1	SLEEVE	ZIRCONIA	

PARTS LIST (部品表)

Rev. (図版)	DESIGN CHANGE (改訂記事)	DATE (日付)
3		
2		
1		
	ISSUED	2008/01/18

MARERIAL (材料) / TREATMENT (処理)	PART NO. (型番)	SSC-AN2 Series
		SSC-AN222B02G
SCALE (尺度): Free / UNIT (単位): 1=1mm / DATE (日付): 2008/01/18	TITLE (名称)	SC ADAPTOR (Metal type for Angled-PC)
APPROVED BY (承認): Y.KAKUTANI / CHECKED BY (検図): D.KUBO / DESIGED BY (設計): M.JIBIKI / DRAWN BY (製図): M.JIBIKI	ITEM NO. (品目コード)	SHEET NO. (枚数)
SEIKOH GIKEN Co.,Ltd.	DRAWING NO. (図番)	S04-H029-D03E / PAGE (ページ)

INSERTION LOSS MEASUREMENT METHOD OF ADAPTORS



DESCRIPTION
CA and CB: Master connectors (satisfied the following specifications)
·Fiber length : ≧2m
·Diameter of the ferrule : φ2.499±0.0005mm(FC,SC),
φ1.249±0.0005mm(MU), φ1.249±0.0007mm(LC)
·Fiber core eccentricity : ≦0.5μm(FC,SC,MU,LC)
(For reference only since the value is measured before APC polishing.)
·Vertex offset : ≦30μm
·Radius of curvature : 5~12mm
·Protrusion of the fiber from the ferrule end face : -0.05~0.05μm
·Insertion loss : ≦0.1dB
·Return loss : ≧60dB
Optical light source:1310±30nm LD light source
Insertion loss=$-10\log_{10}(P_1/P_0)$