

**Manufacturer:**

Seikoh Giken

Product Name:

Seikoh Giken SC Connector, Singlemode,
125µm (micron) Ceramic Ferrule, 900µm Blue Boot

Manufacturer Part Number:

SSC-PE1G-511251A306G



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GS-SC Series

SC CONNECTOR PLUG

TECHNICAL SPECIFICATIONS

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1 SCOPE

These specifications apply to the GS SC series SC connector plug for $\Phi 0.9$ mm buffered fiber and $\Phi 2$ mm cord supplied by SEIKOH GIKEN Co., Ltd.

2 PART NUMBER

Part number of the connector plug is shown in Table 1.

Table 1 Part Number

SC/PC 0.9mm SM									
SSC-PE1G		<u>5</u>	<u>1</u>	<u>125</u>	<u>1</u>	<u>A</u>	306G		
Boot Color						Cap			
1	Black					A		Black Ferrule Cap	
2	Red								
5	Blue					Marking			
						1	SG		
Boot I.D.(mm)					Ferrule I.D.(um)				
1	For Ø0.9mm buffered fiber(Rubber)				125	Φ 125			

SC/APC (Conical) 0.9mm SM									
SSC-PNE1G		<u>8</u>	<u>1</u>	<u>125</u>	<u>1</u>	<u>B</u>	306G		
Boot Color						Cap			
1	Black					B		Green Ferrule Cap	
2	Red								
8	Green					Marking			
						1	SG		
Boot I.D.(mm)					Ferrule I.D.(um)				
1	For Ø0.9mm buffered fiber(Rubber)				125	Φ 125			

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SC/PC 0.9mm MM

SSC-PBE1G**C 1 126 1 A 306G**

Housing Color

B	Beige
Q	Aqua

Cap

A	Black Ferrule Cap
---	-------------------

Marking

1	SG
---	----

Boot Color

0	No Boot
1	Black
2	Red
6	Magenta
C	White

Ferrule I.D.(um)

126	Φ 126
-----	-------

Boot I.D.(mm)

1	For Φ0.9mm buffered fiber(Rubber)
---	-----------------------------------

SC/PC 2mm SM

SSC-PE2G**5 B 125 1 A 306G**

Boot Color

1	Black
2	Red
5	Blue
C	White

Cap

A	Black Ferrule Cap
---	-------------------

Marking

1	SG
---	----

Boot I.D.(mm)

B	For Φ2mm Cord
---	---------------

Ferrule I.D.(um)

125	Φ 125
-----	-------

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SC/APC (Conical) 2mm SM

SSC-PNE2G	<u>8</u>	<u>B</u>	<u>125</u>	<u>1</u>	<u>B</u>	306G
------------------	-----------------	-----------------	-------------------	-----------------	-----------------	-------------

Boot Color

1	Black
2	Red
8	Green

Boot I.D.(mm)

B	For Φ2mm Cord
---	---------------

Cap

B	Green Ferrule Cap
---	-------------------

Marking

1	SG
---	----

Ferrule I.D.(µm)

125	Φ 125
12F	Φ 125.5

SC/PC 2mm MM

SSC-PBE2G	<u>C</u>	<u>B</u>	<u>126</u>	<u>1</u>	<u>A</u>	306G
------------------	-----------------	-----------------	-------------------	-----------------	-----------------	-------------

Housing Color

B	Beige
Q	Aqua

Boot Color

1	Black
2	Red
6	Magenta
A	Beige
C	White

Cap

A	Black Ferrule Cap
---	-------------------

Marking

1	SG
---	----

Ferrule I.D.(µm)

126	Φ 126
-----	-------

Boot I.D.(mm)

B	For Φ2mm Cord
---	---------------

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SC/PC 3mm SM

SSC-PE3G	<u>5</u>	<u>C</u>	<u>125</u>	<u>1</u>	<u>A</u>	306G
-----------------	-----------------	-----------------	-------------------	-----------------	-----------------	-------------

Boot Color

5	Blue
C	White

Boot I.D.(mm)

C	For Φ3mm Cord
---	---------------

Cap

A	Black Ferrule Cap
---	-------------------

Marking

1	SG
---	----

Ferrule I.D.(µm)

125	Φ 125
-----	-------

SC/APC (Conical) 3mm SM

SSC-PNE3G	<u>8</u>	<u>C</u>	<u>125</u>	<u>1</u>	<u>B</u>	306G
------------------	-----------------	-----------------	-------------------	-----------------	-----------------	-------------

Boot Color

8	Green
---	-------

Boot I.D.(mm)

C	For Φ3mm Cord
---	---------------

Cap

B	Green Ferrule Cap
---	-------------------

Marking

1	SG
---	----

Ferrule I.D.(µm)

125	Φ 125
-----	-------

12F	Φ 125.5
-----	---------

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SC/PC 3mm MM

SSC-PBE3G**C****C****126****1****A****306G**

Housing Color

B Beige

Boot Color

A Beige

Boot I.D.(mm)

C For Ø3mm Cord

Cap

A Black Ferrule Cap

Marking

1 SG

Ferrule I.D.(µm)

126 Φ 126

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3 GENERAL SPECIFICATIONS

3.1 Parts and Materials

Parts and materials are shown in Table 2, 3.

Table 2 Parts and Materials

Item	Part Name	Qty	Material	Notes
①-1	Main Body	1	See Table 3	For SC/PC
①-2				For SC/APC
②	Grip	1	PBT GF	Flammability UL94 V-0
③-1	Crimping Ring ^{Note 2}	1	Aluminum Alloy	for ø 2 mm cord
③-2				for ø 3 mm cord
④-1	Boot	1	Silicone rubber	for ø 0.9 mm buffered fiber rubber boot, Flammability UL94 V-0
④-2			TPE	for ø 2 mm cord Equivalent to Flammability UL94 V-0
④-3			TPE	for ø 3 mm cord Equivalent to Flammability UL94 V-0
⑤	Cap	1	PP	Ferrule Cap

Notes: 1 Item on Table 2 corresponds to the item reference number on Figure 1 to 15.

2 ③Crimping Ring is not included for ø 0.9 mm buffered fiber type.

Table 3 Parts and Materials of Main Body

Item	Part Name	Qty	Material	Notes
⑦	Capillary	1	Zirconia	-
⑧	Flange	1	Brass	Nickel Plating
⑨	Plug Frame	1	PBT GF	White, Flammability UL94 V-0
⑩	Spring	1	Stainless Steel	-
⑪	Stop Ring	1	Brass	Nickel Plating
⑫	Heat-shrinkable Tube	1	EVA	Black, Flammability VW-1

Note: Item on Table 3 corresponds to the item reference number on Figure 7 and 8.

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3.2 Physical Dimensions

Figure 1 to 6 shows the SC-0.9 and SC-2.0 and SC-3.0 series connector plug

Figure 7 and 8 shows the main body

Figure 9 to 15 shows the dimensions of the parts

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

3.3 General Tolerances

Permissible deviation in dimensions without tolerance indication is in accordance with ISO 2768-m (JIS B 0405-m), as shown in Table 5.

Table 5 General Tolerance (ISO 2768-m)

Basic size step [mm]		Permissible deviation [mm]
Over	Under	
0.5	3	±0.1
3	6	±0.1
6	30	±0.2
30	120	±0.3

3.4 Appearance

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

4 PACKING

The product is packed to prevent damage during shipment.

5 IDENTIFICATION

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

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6 HANDLING AND CARE

6.1 Conditions of 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.

6.2 Precautions for Use

Contamination, oil, sweat and others debris on the ferrule end face may influence the performance of the product. If contamination is on the ferrule end face, wipe the end face with the end face cleaner.

6.3 Disposal

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

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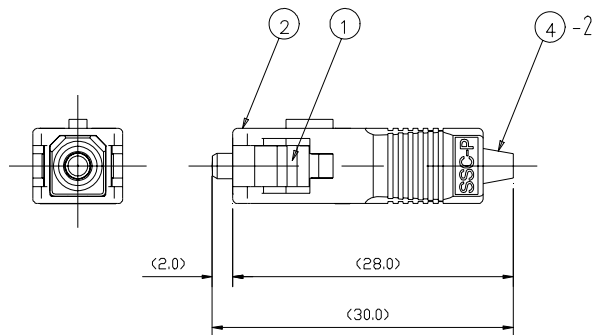
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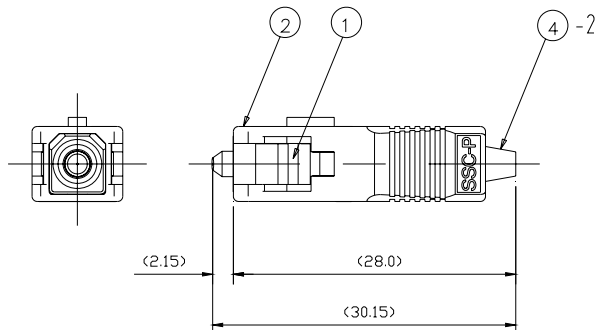
7 FIGURE



Unit: mm

Figure 1 GS-SC/PC Series Connector Plug (for $\varnothing$ 0.9 mm buffered fiber, rubber boot)

- Notes: 1 This drawing shows the tentatively assembled condition.
On practical shipment of GS-SC/PC connector plug, this tentative assembly is not available.
- 2 This drawing does not include the cap.



Unit: mm

Figure 2 GS-SC/APC Series Connector Plug (for $\varnothing$ 0.9 mm buffered fiber, rubber boot)

- Notes: 1 This drawing shows the tentatively assembled condition.
On practical shipment of GS-SC/APC connector plug, this tentative assembly is not available.
- 2 This drawing does not include the cap.

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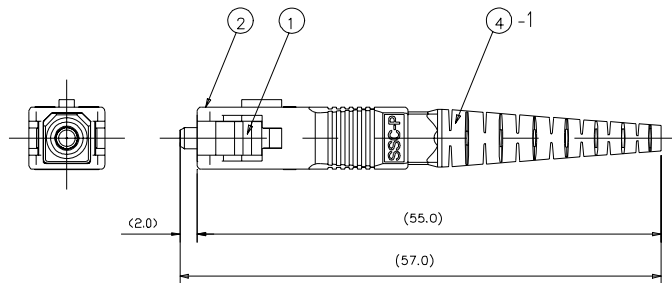
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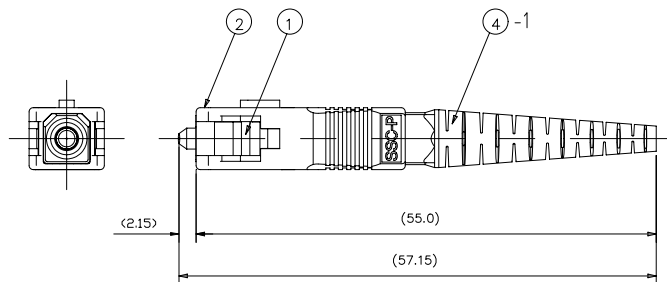
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Unit: mm

Figure 3 GS-SC/PC Series Connector Plug (for ø 2 mm cord)

- Notes: 1 This drawing shows the tentatively assembled condition.
On practical shipment of GS-SC/PC connector plug, this tentative assembly is not available.
- 2 This drawing does not include the cap.



Unit: mm

Figure 4 GS-SC/APC Series Connector Plug (for ø 2 mm cord)

- Notes: 1 This drawing shows the tentatively assembled condition.
On practical shipment of GS-SC/APC connector plug, this tentative assembly is not available.
- 2 This drawing does not include the cap.

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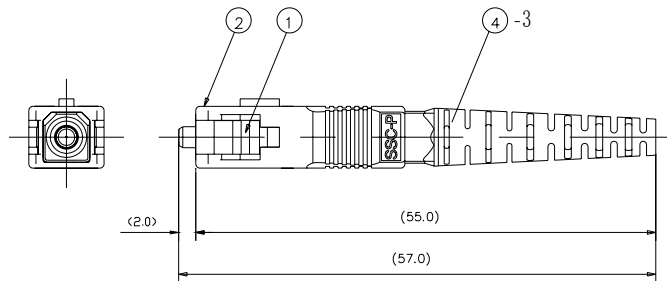
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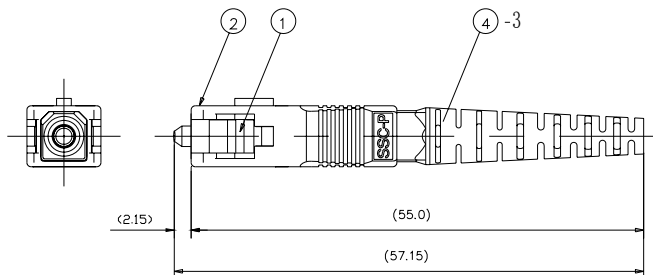
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Unit: mm

Figure 5 GS-SC/PC Series Connector Plug (for ø 3 mm cord)

- Notes: 1 This drawing shows the tentatively assembled condition.
On practical shipment of GS-SC/PC connector plug, this tentative assembly is not available.
- 2 This drawing does not include the cap.



Unit: mm

Figure 6 GS-SC/APC Series Connector Plug (for ø 3 mm cord)

- Notes: 1 This drawing shows the tentatively assembled condition.
On practical shipment of GS-SC/APC connector plug, this tentative assembly is not available.
- 2 This drawing does not include the cap.

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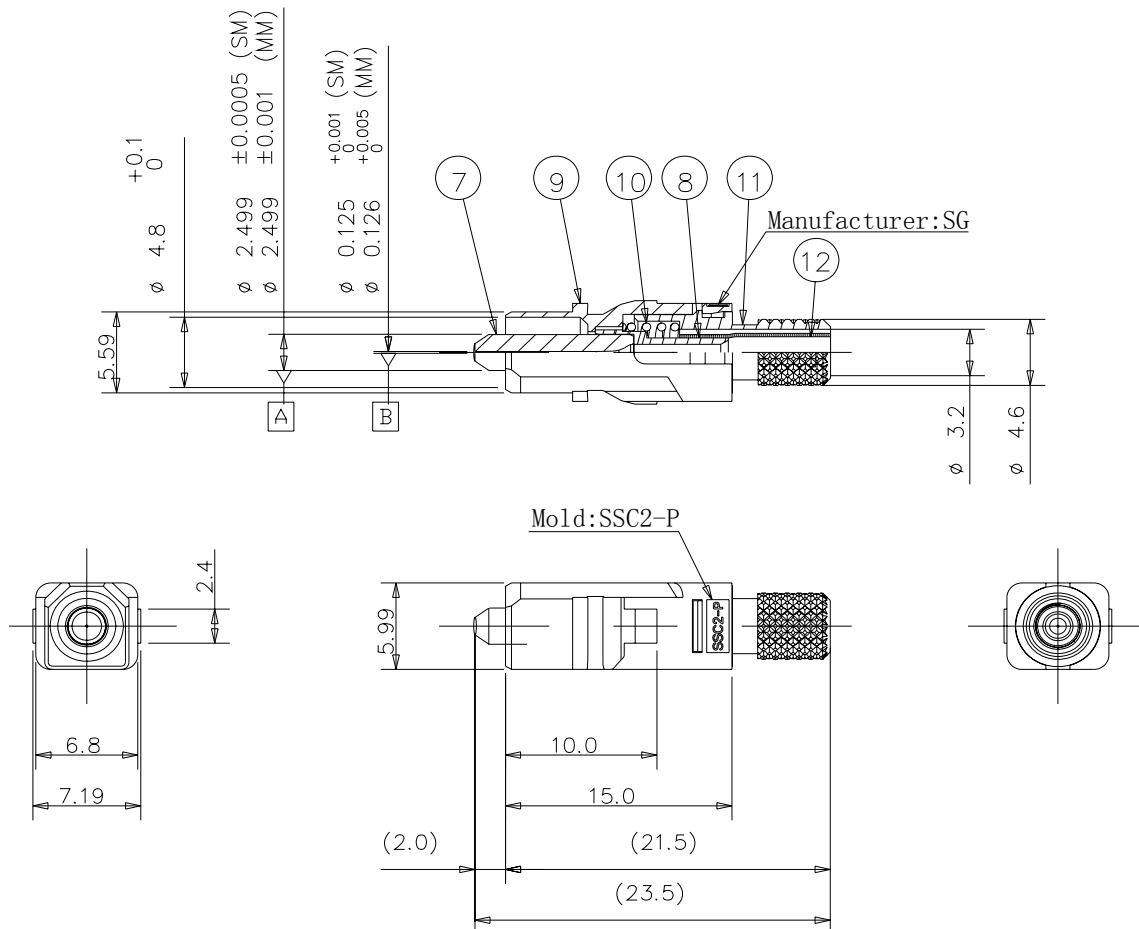
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Unit: mm

Figure 8 ①-2 Main Body(for SC/APC)

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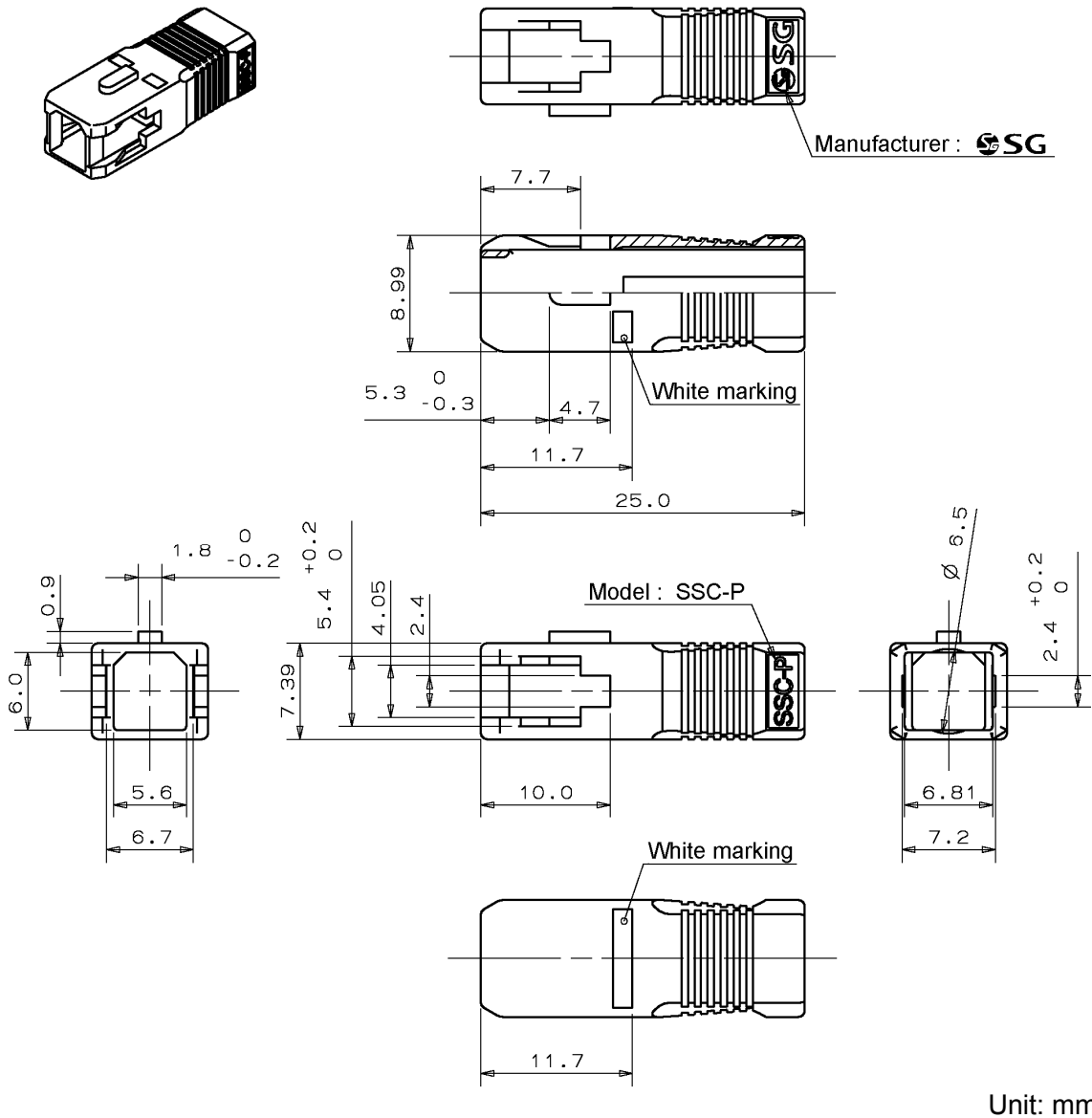


Figure 9 ②Grip

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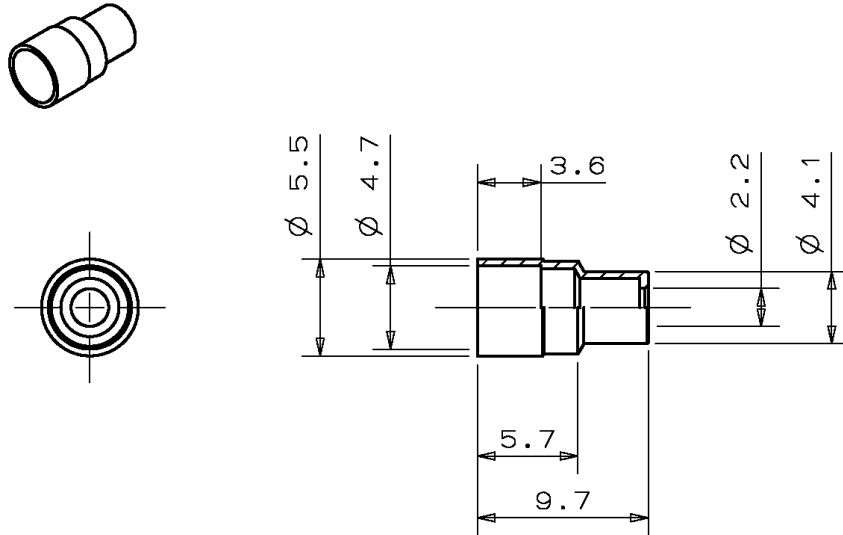
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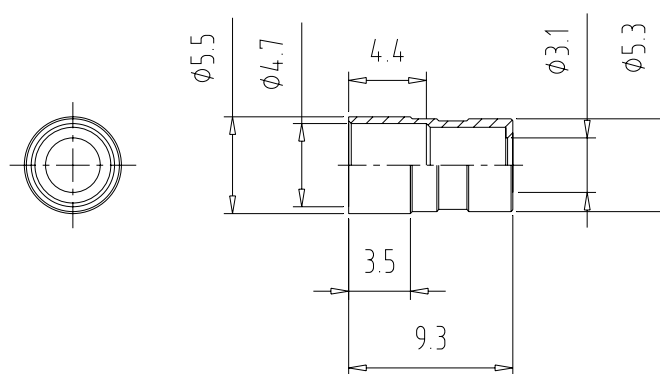
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Unit: mm

Figure 10 ③-1 Crimping Ring (for $\varnothing$ 2 mm cord)

Unit: mm

Figure 11 ③-2 Crimping Ring (for $\varnothing$ 3 mm cord)

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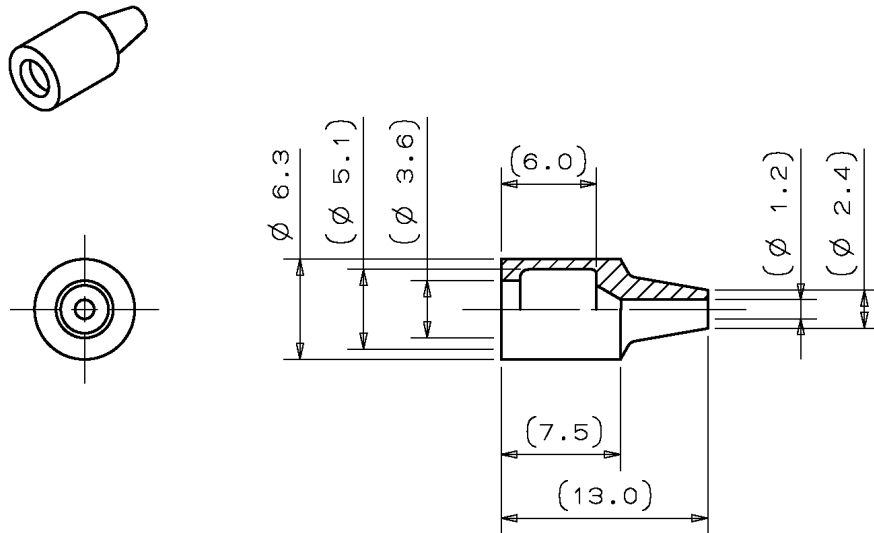
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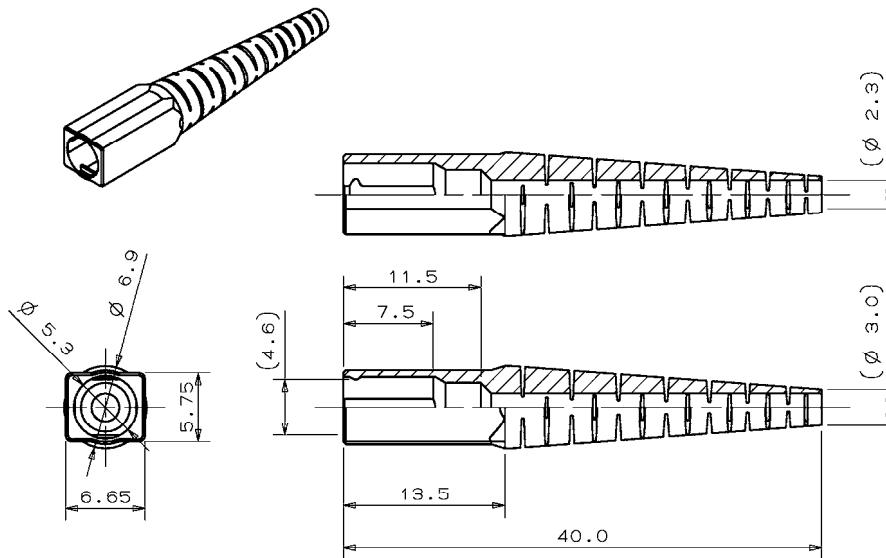
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Unit: mm

Figure 12 ④-1 Boot (for $\varnothing$ 0.9 mm buffered fiber, rubber boot)

Unit: mm

Figure 13 ④-2 Boot (for $\varnothing$ 2 mm cord)

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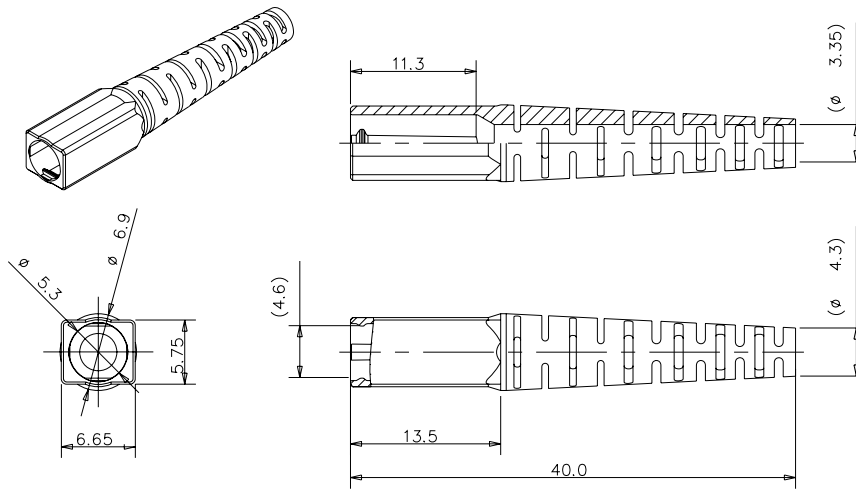
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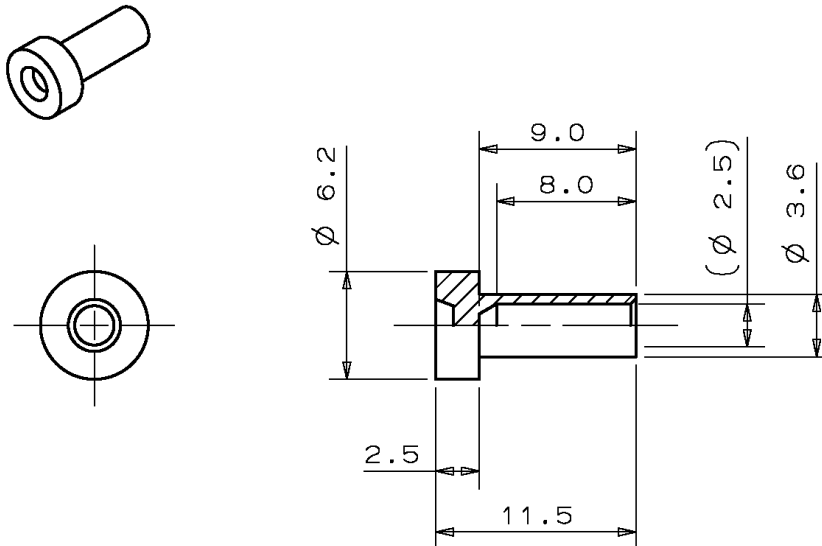
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Unit: mm

Figure 14 ④-3 Boot (for Ø 3 mm cord)



Unit: mm

Figure 15 ⑤Cap (Ferrule Cap)

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