# GS-SC Series SC CONNECTOR PLUG TECHNICAL SPECIFICATIONS



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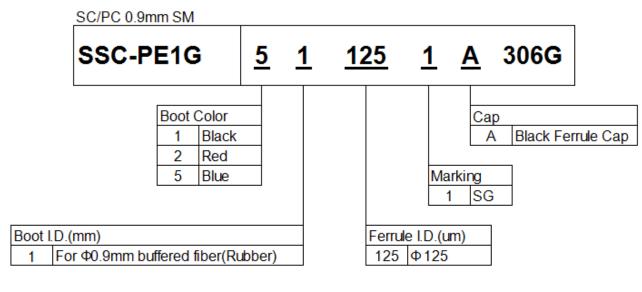
#### 1 SCOPE

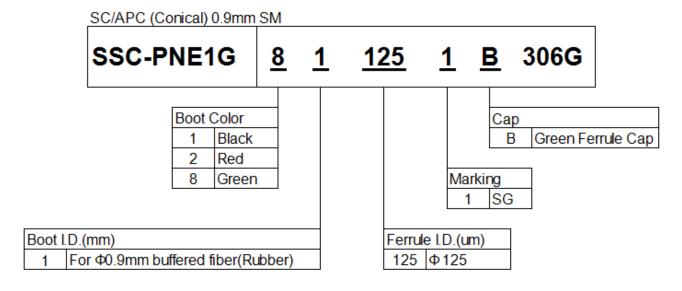
These specifications apply to the GS SC series SC connector plug for  $\Phi$ 0.9mm buffered fiber and  $\Phi$ 2mm cord supplied by SEIKOH GIKEN Co., Ltd.

## 2 PART NUMBER

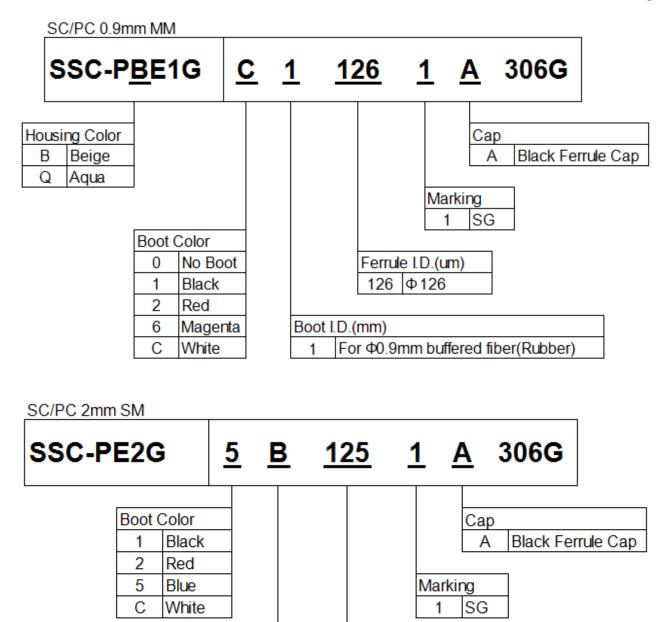
Part number of the connector plug is shown in Table 1.

Table 1 Part Number









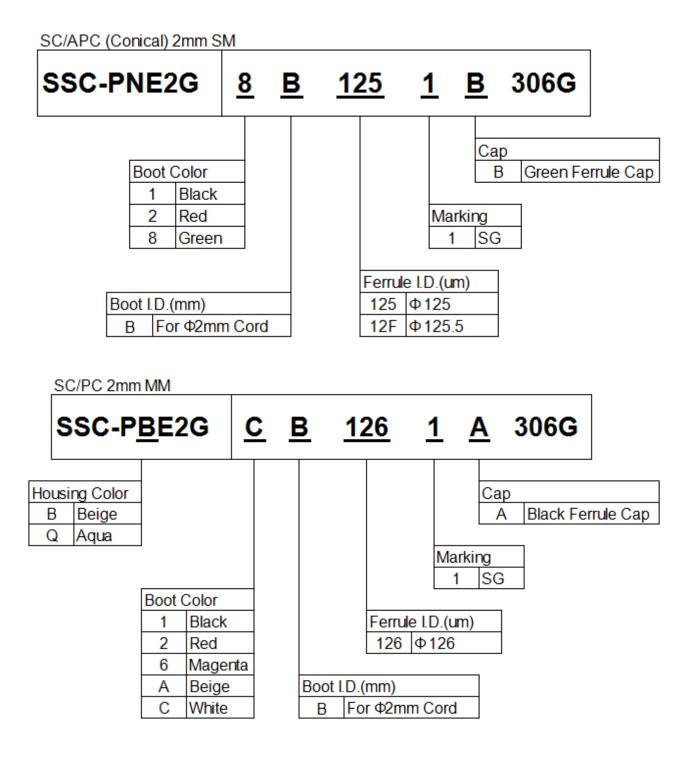


Ferrule I.D.(um)

125 Φ125

Boot I.D.(mm)

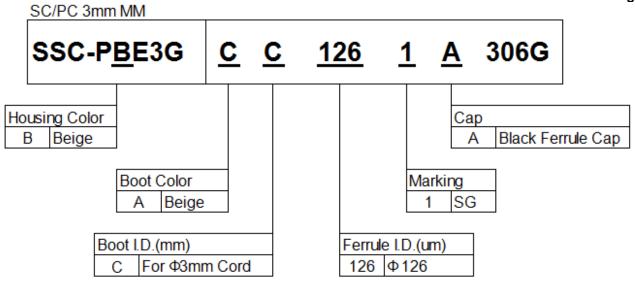
For Ф2mm Cord





SC/PC 3mm SM SSC-PE3G <u>5</u> <u>C</u> <u>125</u> <u>1</u> <u>A</u> 306G Cap Boot Color Black Ferrule Cap 5 Blue С White Marking 1 SG Boot I.D.(mm) Ferrule I.D.(um) For Φ3mm Cord 125 Φ125 SC/APC (Conical) 3mm SM SSC-PNE3G 8 C 125 <u>1</u> <u>B</u> 306G Cap В Green Ferrule Cap **Boot Color** Green Marking SG Ferrule I.D.(um) 125 Φ125 Boot I.D.(mm) For 43mm Cord 12F Φ 125.5





Please contact us for availability of other specifications.



## 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
<b>4-1</b>	Boot	1	Silicone rubber	for ø 0.9 mm buffered fiber rubber boot, Flammability UL94 V-0
<b>4-2</b>			TPE	for ø 2 mm cord Equivalent to Flammability UL94 V-0
<b>4</b> -3			TPE	for ø 3 mm cord Equivalent to Flammability UL94 V-0
⑤	Сар	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	-
111	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.



# 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.

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

Table 5 General Tolerance (ISO 2768-m)

## 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.



#### 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

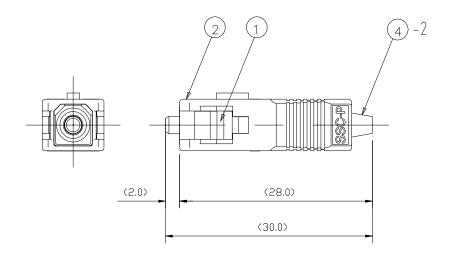
Contamination, oil, sweat and others debris on the ferrule end face may influence the performance of the product. If contamination is on the ferrule end face, wipe the end face with the end face cleaner.

# 6.3 Disposal

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



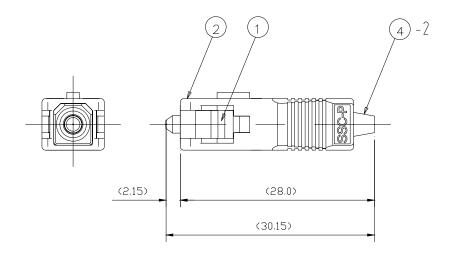
#### 7 FIGURE



Unit: mm Figure 1 GS-SC/PC Series Connector Plug (for ø 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 ø 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.



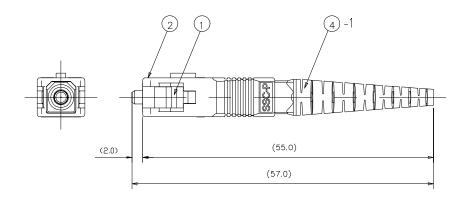
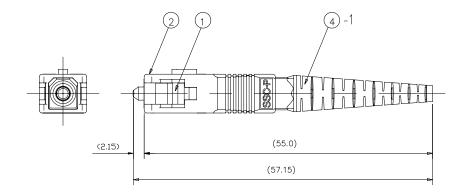


Figure 3 GS-SC/PC Series Connector Plug (for ø 2 mm cord)

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.



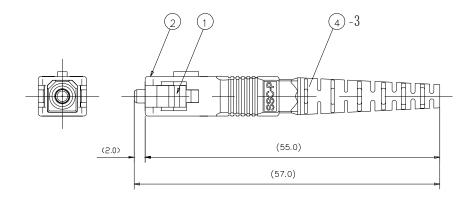
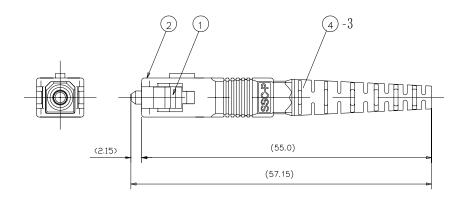


Figure 5 GS-SC/PC Series Connector Plug (for ø 3 mm cord)

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.



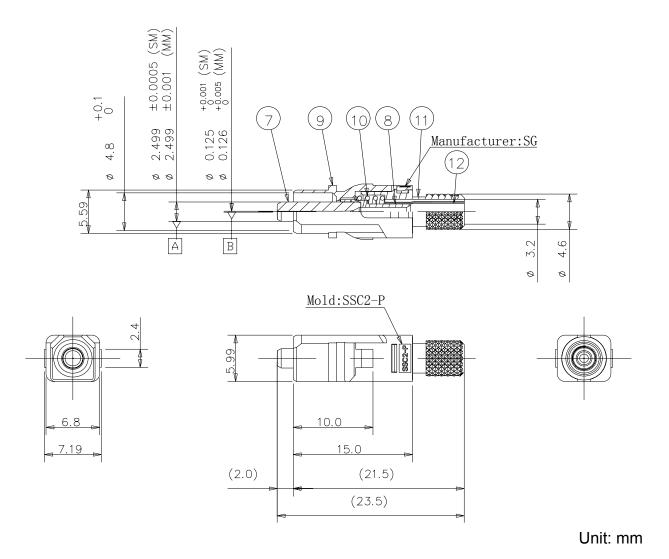


Figure 7 ①-1 Main Body(for SC/PC)



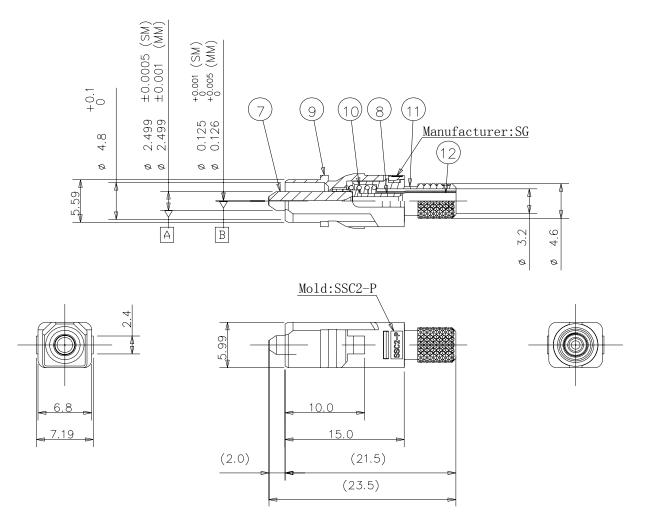


Figure 8 ①-2 Main Body(for SC/APC)



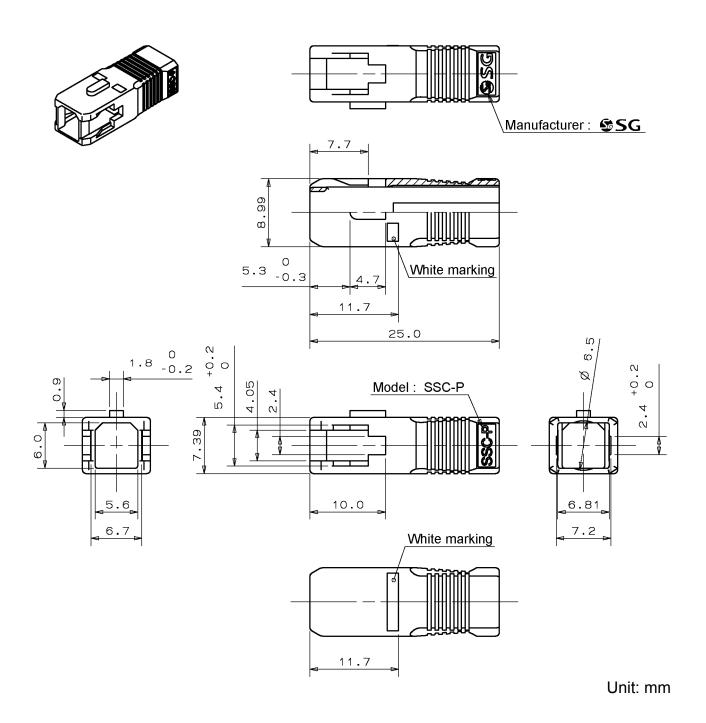


Figure 9 @Grip



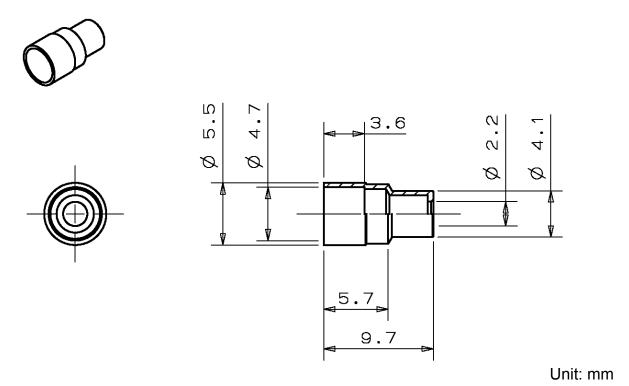


Figure 10 ③-1 Crimping Ring (for ø 2 mm cord)

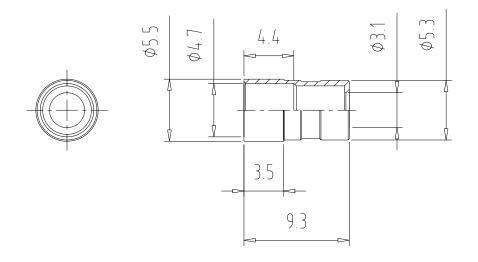


Figure 11 ③-2 Crimping Ring (for ø 3 mm cord)



