

**Manufacturer:**

Seikoh Giken

**Product Name:**

Seikoh Giken SSC-PE SC Connector, Singlemode,  
125µm (micron) Ceramic Ferrule, 2mm White Boot

**Manufacturer Part Number:**

SSC-PE3B1251A300G



Learn More

▶ Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm (micron) Ceramic Ferrule, 2mm White Boot

DOCUMENT NUMBER S05-H199-02E

# SSC-PE Series

## Single mode

## SC CONNECTOR PLUG

## TECHNICAL SPECIFICATIONS



**SEIKOH GIKEN**

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are  
subject to change without notice.*

**Manufacturer:**

Seikoh Giken

**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125µm (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)

▶ [Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm \(micron\) Ceramic Ferrule, 2mm White Boot](#)

**SSC-PE Series Single mode SC CONNECTOR PLUG  
TECHNICAL SPECIFICATIONS****S05-H199-02E  
SSC-PE Series**

NCD-49B2-01	October	1994
NCD-49B2-02	January	1995
NCD-49B2-03	January	1996
NCD-49B2-04	June	1997
NCD-49B2-05	May	1998
NCD-49B2-06	July	1999
NCD-49B2-07	April	2000
NCD-49B2-08	May	2003
NCD-49B2-09	June	2004
NCD-49B2-10	June	2005
S05-H048-01E	July	2006
S05-H048-02E	January	2010
S05-H199-01E	January	2023
S05-H199-02E	August	2023

Copyright © 1994 - 2023 by **SEIKOH GIKEN Co.,Ltd.**  
All right reserved.

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

[focenter.com](https://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are  
subject to change without notice.*

**Manufacturer:**

Seikoh Giken

**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125µm (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)[Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm \(micron\) Ceramic Ferrule, 2mm White Boot](#)S05-H199-02E  
SSC-PE Series

## TABLE OF CONTENTS

Section	Page
1 SCOPE .....	1
2 PART NUMBER .....	1
3 GENERAL SPECIFICATIONS.....	2
3.1 Parts and Materials .....	2
3.2 Physical Dimensions .....	3
3.3 General Tolerances.....	3
3.4 Appearance.....	3
4 PACKING .....	3
5 IDENTIFICATION .....	3
6 HANDLING AND CARE .....	4
6.1 Conditions of Storage.....	4
6.2 Precautions for Use.....	4
6.3 Disposal .....	4

## Table

Table 1 Part Number .....	1
Table 2 Parts and Materials .....	2
Table 3 Parts and Materials of Main Body.....	2
Table 4 Physical Specifications .....	3
Table 5 General Tolerance (ISO 2768-m).....	3

## Figure

Figure 1 SSC-PE Series Connector Plug (for ø 3 mm cord) .....	5
Figure 2 SSC-PE Series Connector Plug (for ø 2 mm cord) .....	6
Figure 3 SSC-PE Series Connector Plug (for ø 0.9 mm buffered fiber) .....	7
Figure 4 SSC-PE Series Connector Plug (for ø 0.9 mm buffered fiber, rubber boot) .....	8
Figure 5 Main Body .....	9
Figure 6 to 14 Dimensions of Parts .....	10 to 14

iii

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are  
subject to change without notice.*

**Manufacturer:**


## Seikoh Giken

**Product Name:**

Seikoh Giken SSC-PE SC Connector, Singlemode,  
125μm (micron) Ceramic Ferrule, 2mm White Boot

**Manufacturer Part Number:**

SSC-PE3B1251A300G

 [Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm \(micron\) Ceramic Ferrule, 2mm White Boot](#)

**S05-H199-02E**  
**SSC-PE Series**

## 1 SCOPE

These specifications apply to the SSC-PE series single mode SC connector plug supplied by SEIKOH GIKEN Co., Ltd.

2 PART NUMBER

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

Table 1 Part Number

MODEL Number		TYPE Number										
SSC-PE		5	C	1	2	5	1	A	3	0	0	G

Boot Color	
3	White
5	Blue
8	Green


Boot I.D. [mm]	
1	for ø 0.9 buffered fiber (Rubber)
9	for ø 0.9 buffered fiber (Plastic)
B	for ø 2 cord
C	for ø 3 cord

Ferrule I.D. [µm]	
1 2 5	ø 125
1 2 6	ø 126

Auxiliary digit	
0 0 G	

Package	
3	Bulk package

Cap	
0	No cap
A	Black ferrule cap
H	Black dust cap

Marking of Grip	
1	 SG/ SSC-P

Please contact us for availability of other specifications.

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are subject to change without notice.*

**Manufacturer:**

Seikoh Giken

**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125µm (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)

Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm (micron) Ceramic Ferrule, 2mm White Boot

S05-H199-02E  
SSC-PE Series

### 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	Main body	1	See Table 3	See Table 3
②	Grip	1	PBT GF	Blue, Flammability UL94 V-0
③-1	Crimping ring <small>Note 2</small>	1	Aluminum alloy	for ø 3 mm cord
③-2				for ø 2 mm cord
④-1	Boot	1	TPEE	for ø 3 mm cord Flammability UL94 V-0
④-2				for ø 2 mm cord Flammability UL94 V-0
④-3				for ø 0.9 mm buffered fiber Flammability UL94 V-0
④-4			Silicone	for ø 0.9 mm buffered fiber rubber boot, Flammability UL94 V-0
⑤-1	Cap	1	PP	Ferrule cap, Black
⑤-2			PBT-GF	Dust cap, Black Flammability UL94 V-0 equivalent

Notes: 1 Item on Table 2 corresponds to the item reference number on Figure 1 to 14.

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

Note: Item on Table 3 corresponds to the item reference number on Figure 5.

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are  
subject to change without notice.



**Manufacturer:**

Seikoh Giken

**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125µm (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)

Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm (micron) Ceramic Ferrule, 2mm White Boot

**S05-H199-02E**  
**SSC-PE Series****3.2 Physical Dimensions**

Figure 1 to 4 show the SSC-PE series connector plugs.

Figure 5 shows the main body.

Figure 6 to 14 show the dimensions of the parts.

Table 4 shows the physical specifications of the SSC-PE series connector plug.

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

Table 4 Physical Specifications

Items	Part Number	Specifications	Remarks
Diameter (ø d)	SSC-PE **125**300G	ø 0.125 mm	-
	SSC-PE **126**300G	ø 0.126 mm	-

**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.

3

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are  
subject to change without notice.*

**Manufacturer:**

Seikoh Giken

**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125µm (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)[Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm \(micron\) Ceramic Ferrule, 2mm White Boot](#)S05-H199-02E  
SSC-PE Series

## 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.



SEIKOH GIKEN

4

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are  
subject to change without notice.*

**Manufacturer:**

Seikoh Giken

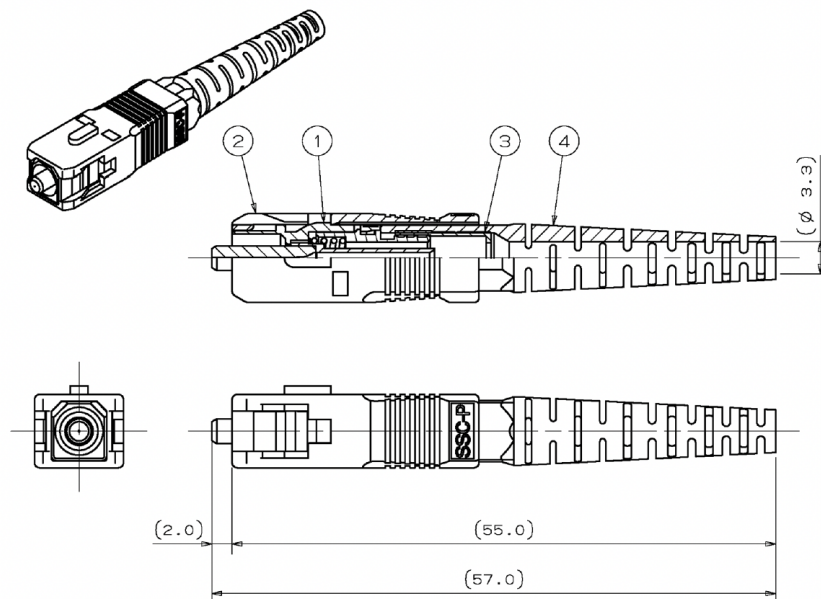
**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125μm (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)

Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125μm (micron) Ceramic Ferrule, 2mm White Boot

S05-H199-02E  
SSC-PE Series



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

Unit: mm

Figure 1 SSC-PE Series Connector Plug (for Ø 3 mm cord)



Contact the professionals at Fiber Optic Center for a quote or to get more details.

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are  
subject to change without notice.

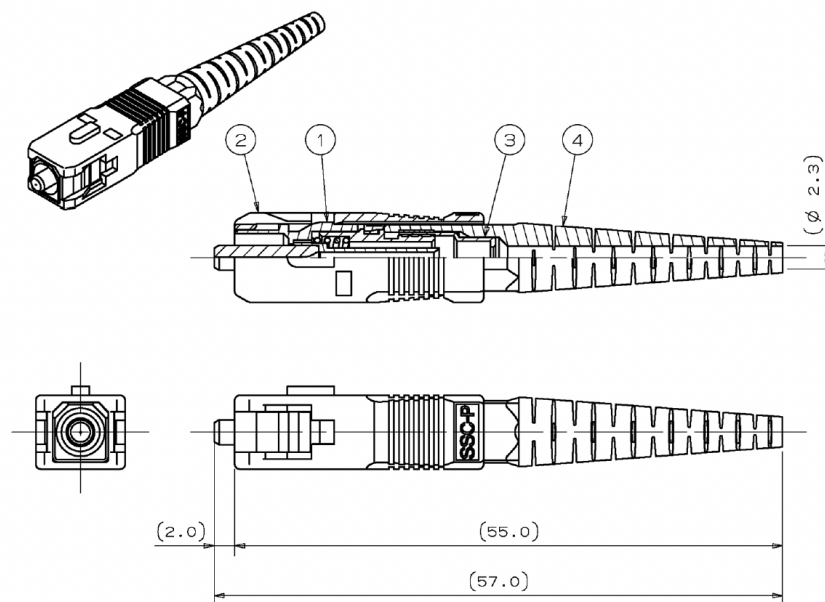


**Manufacturer:**

Seikoh Giken

**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125µm (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)[Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm \(micron\) Ceramic Ferrule, 2mm White Boot](#)S05-H199-02E  
SSC-PE Series

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

Unit: mm

Figure 2 SSC-PE Series Connector Plug (for ø 2 mm cord)



6

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are  
subject to change without notice.*

**Manufacturer:**

Seikoh Giken

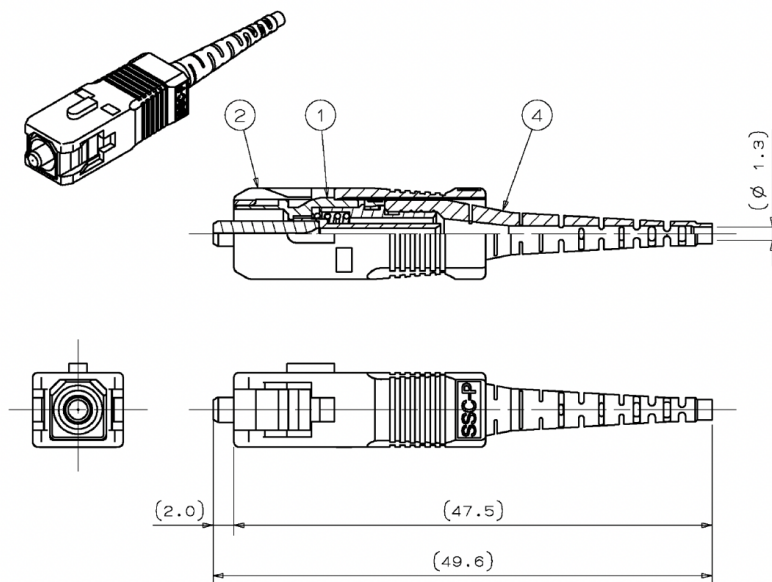
**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125µm (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)

Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm (micron) Ceramic Ferrule, 2mm White Boot

S05-H199-02E  
SSC-PE Series



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

Unit: mm

Figure 3 SSC-PE Series Connector Plug (for  $\varnothing 0.9$  mm buffered fiber)



**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

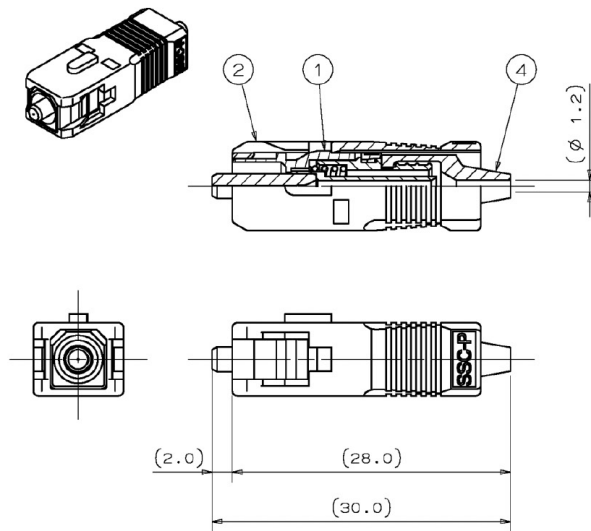
*Product specifications and data are  
subject to change without notice.*

**Manufacturer:**

Seikoh Giken

**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125µm (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)[Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm \(micron\) Ceramic Ferrule, 2mm White Boot](#)S05-H199-02E  
SSC-PE Series

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

Unit: mm

Figure 4 SSC-PE Series Connector Plug (for ø 0.9 mm buffered fiber, rubber boot)

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are  
subject to change without notice.*



[Learn More](#)

**Manufacturer:**


## Seikoh Giken

**Product Name:**

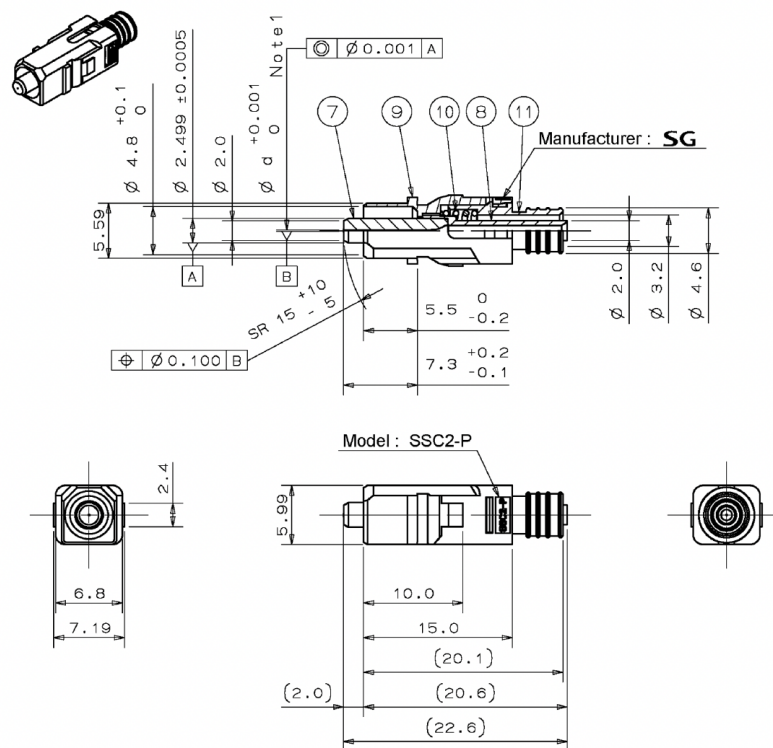
Seikoh Giken SSC-PE SC Connector, Singlemode,  
125µm (micron) Ceramic Ferrule, 2mm White Boot

**Manufacturer Part Number:**

SSC-PE3B1251A300G

 [Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm \(micron\) Ceramic Ferrule, 2mm White Boot](#)

**S05-H199-02E**  
**SSC-PE Series**



Note 1 Diameter ( $\varnothing$  d) differs according to the part number shown in Table 4.

Unit: mm

Figure 5 ①Main Body

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are subject to change without notice.*

**Manufacturer:**

Seikoh Giken

**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125μm (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)

Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125μm (micron) Ceramic Ferrule, 2mm White Boot

S05-H199-02E  
SSC-PE Series

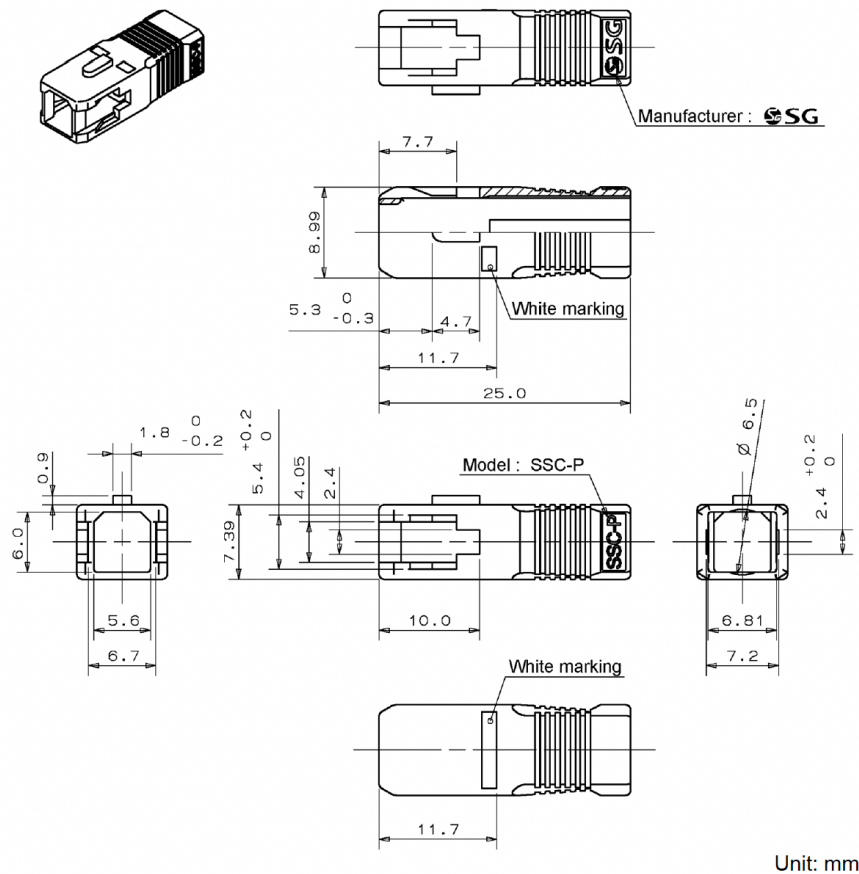


Figure 6 ©Grip

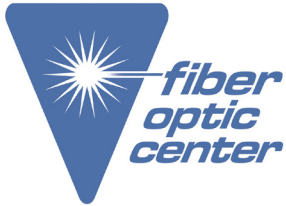


Contact the professionals at Fiber Optic Center for a quote or to get more details.

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are  
subject to change without notice.

**Manufacturer:**

Seikoh Giken

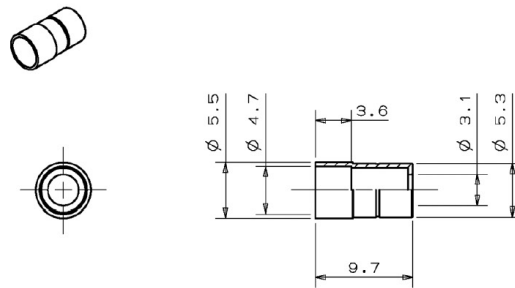
**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125 $\mu$ m (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)

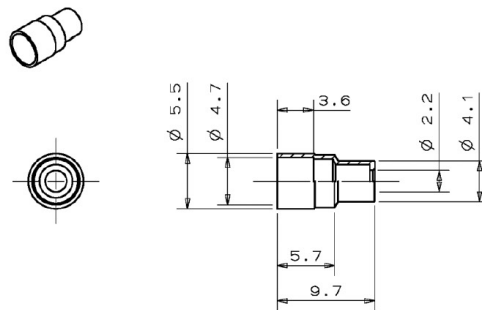
Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125 $\mu$ m (micron) Ceramic Ferrule, 2mm White Boot

S05-H199-02E  
SSC-PE Series



Unit: mm

Figure 7 ③-1 Crimping Ring (for Ø 3 mm cord)



Unit: mm

Figure 8 ③-2 Crimping Ring (for Ø 2 mm cord)

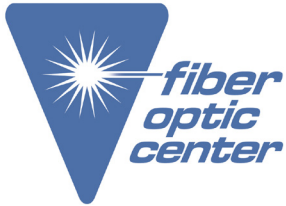
Contact the professionals at Fiber Optic Center for a quote or to get more details.

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are  
subject to change without notice.



**Manufacturer:**

Seikoh Giken

**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125 $\mu$ m (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)

Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125 $\mu$ m (micron) Ceramic Ferrule, 2mm White Boot

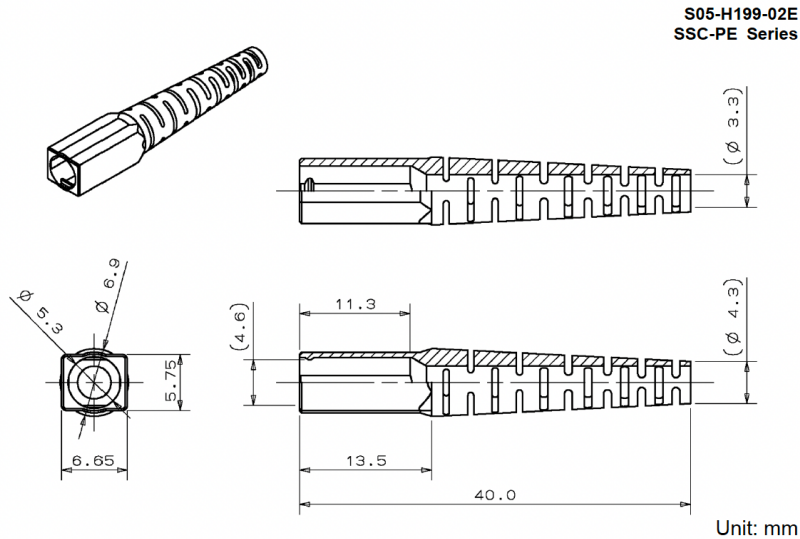


Figure 9 ④-1 Boot (for Ø 3 mm cord)

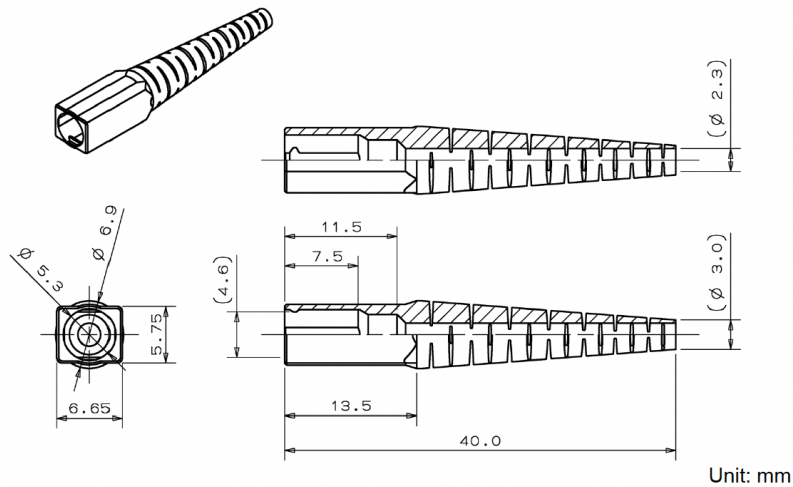


Figure 10 ④-2 Boot (for Ø 2 mm cord)

Contact the professionals at Fiber Optic Center for a quote or to get more details.

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are  
subject to change without notice.

**Manufacturer:**

Seikoh Giken

**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125 $\mu$ m (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)

Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125 $\mu$ m (micron) Ceramic Ferrule, 2mm White Boot

S05-H199-02E  
SSC-PE Series

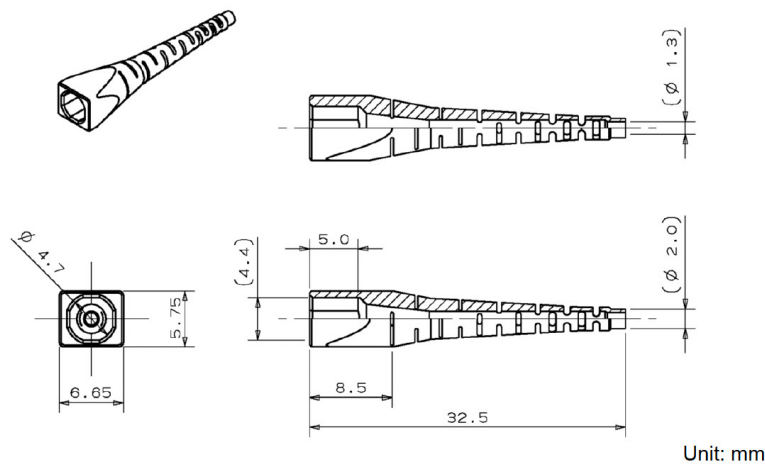


Figure 11 ④-3 Boot (for  $\varnothing$  0.9 mm buffered fiber)

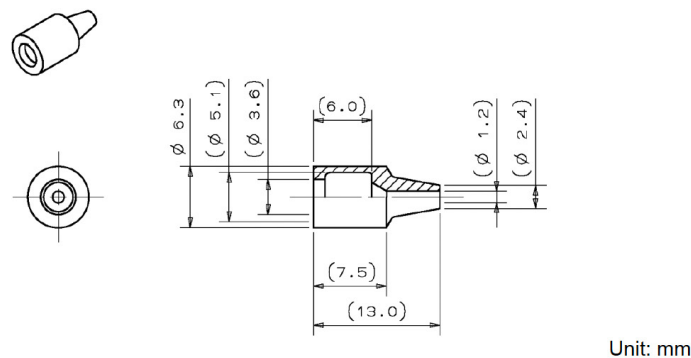


Figure 12 ④-4 Boot (for  $\varnothing$  0.9 mm buffered fiber, rubber boot)

Contact the professionals at Fiber Optic Center for a quote or to get more details.

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are  
subject to change without notice.

**Manufacturer:**

Seikoh Giken

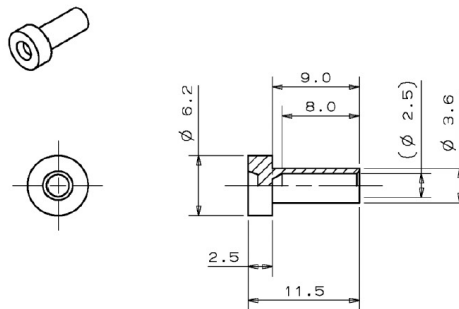
**Product Name:**Seikoh Giken SSC-PE SC Connector, Singlemode,  
125µm (micron) Ceramic Ferrule, 2mm White Boot**Manufacturer Part Number:**

SSC-PE3B1251A300G

[Learn More](#)

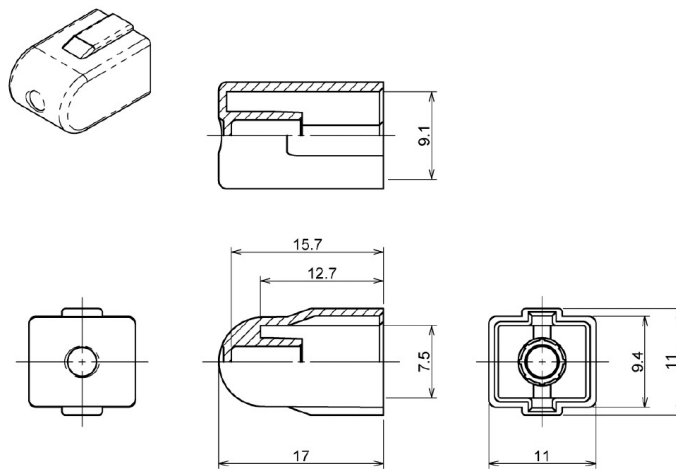
Click here for more details on the Seikoh Giken SSC-PE SC Connector, Singlemode, 125µm (micron) Ceramic Ferrule, 2mm White Boot

S05-H199-02E  
SSC-PE Series



Unit: mm

Figure 13 ⑤-1 Cap (Ferrule cap)



Unit: mm

Figure 14 ⑤-2 Cap (Dust cap)

Contact the professionals at Fiber Optic Center for a quote or to get more details.

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are  
subject to change without notice.