

# **SLCFP-2A1 Series**

## **LC DUPLEX ADAPTOR**

- SC-Footprint Type -

### **TECHNICAL SPECIFICATIONS**



**SEIKOH GIKEN Co.,Ltd.**  
**Fiber Optic Products Division**  
296-1, MATSUHIDAI, MATSUDO-SHI,  
CHIBA, 270-2214 JAPAN.  
TEL: +81-47-388-6111 FAX: +81-47-388-4477

**SLCFP-2A1 Series LC DUPLEX ADAPTOR - SC-Footprint Type -**  
**TECHNICAL SPECIFICATIONS**

**S04-H046-01E      August      2010**

Copyright © 2010 by **SEIKOH GIKEN Co.,Ltd.**  
All right reserved.

The information contained herein shall not be reproduced or disclosed to any third party without the express written consent of SEIKOH GIKEN Co., Ltd.

The specifications contained herein are subject to change without notice.

Please address any questions, comments, and suggestions to:

**SEIKOH GIKEN USA, Inc.**

4405 International Blvd., Suite B109  
Norcross, GA 30093 U.S.A.  
TEL: +1-770-279-6602 FAX: +1-770-279-8839

**SEIKOH GIKEN Europe GmbH**

Siemensstrasse 9  
D-63263 Neu-Isenburg, Germany  
TEL: +49-6102-297-701  
FAX: +49-6102-297-750

## 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   | 2    |
| 3.3 General Tolerance     | 2    |
| 3.4 Insertion Loss        | 2    |
| 3.5 Appearance            | 3    |
| 4 PACKING                 | 4    |
| 5 IDENTIFICATION          | 4    |
| 6 HANDLING AND CARE       | 4    |
| 6.1 Conditions of Storage | 4    |
| 6.2 Precautions of Use    | 4    |
| 6.3 Disposal              | 4    |

### Table

|         |                                           |   |
|---------|-------------------------------------------|---|
| Table 1 | Part Number                               | 1 |
| Table 2 | Parts and Materials                       | 2 |
| Table 3 | General Tolerance                         | 2 |
| Table 4 | Insertion Loss and Measurement Conditions | 3 |

### Figure

|          |                                       |   |
|----------|---------------------------------------|---|
| Figure 1 | Insertion Loss and Measurement System | 3 |
| Figure 2 | SLCFP-2A1 Series Adaptor              | 5 |
| Figure 3 | ⑥Cap                                  | 7 |
| Figure 4 | Cut-hole Dimensions for Reference     | 7 |



1 SCOPE

These specifications apply to the SLCFP-2A1 series LC duplex adaptor - SC-footprint type  
- supplied by SEIKOH GIKEN Co., Ltd.

2 PART NUMBER

Part number of the adaptor is shown in Table 1.

Table 1 Part Number

| MODEL Number |                                                                                      | TYPE Number |   |   |   |                 |                              |
|--------------|--------------------------------------------------------------------------------------|-------------|---|---|---|-----------------|------------------------------|
| SLCFP-2A1    |                                                                                      | 2           | 2 | 7 | 0 | 1               | G                            |
| Slit Sleeve  |                                                                                      |             |   |   |   | Auxiliary digit |                              |
| 2            | Zirconia                                                                             |             |   |   |   | 1 G             |                              |
| Marking      |                                                                                      |             |   |   |   | Specification   |                              |
| 2            |  SG |             |   |   |   | 0               | Standard ( without Shutter ) |
|              |                                                                                      |             |   |   |   | X               | With Shutter on one end      |
|              |                                                                                      |             |   |   |   | Cap             |                              |
|              |                                                                                      |             |   |   |   | 7               | Black Grip Cap               |
|              |                                                                                      |             |   |   |   | 8               | Clear Grip Cap               |

### 3 GENERAL SPECIFICATIONS

#### 3.1 Parts and Materials

Parts and materials are shown in Table 2.

Table 2 Parts and Materials

| No. | Part Name     | Qty | Material          | Notes                       |
|-----|---------------|-----|-------------------|-----------------------------|
| ①   | Housing       | 1   | PEI               | Blue, Flammability UL94 V-0 |
| ②   | Split Sleeve  | 2   | Zirconia Ceramics | -                           |
| ③   | Sleeve Holder | 2   | PEI               | Flammability UL94 V-0       |
| ④   | Plate         | 1   | Stainless Steel   | -                           |
| ⑤   | Shutter       | 1   | Stainless Steel   | -                           |
| ⑥   | Cap           | 4   | PC                | Flammability UL94 V-0       |

Note: Item on Table 2 corresponds to the item reference number on Figure 2, 3.

#### 3.2 Physical Dimensions

Figure 2 shows the SLCFP-2A1 series adaptor.

Figure 3 shows the part dimensions.

- In accordance with IEC 61754-20 Type LC connector family.
- In accordance with JIS C 5965-20 Type LC connector family.

#### 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 3.

Table 3 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 Insertion Loss

Insertion loss of the adaptor and measurement conditions are shown in Table 4.

Figure 1 shows the measurement system.

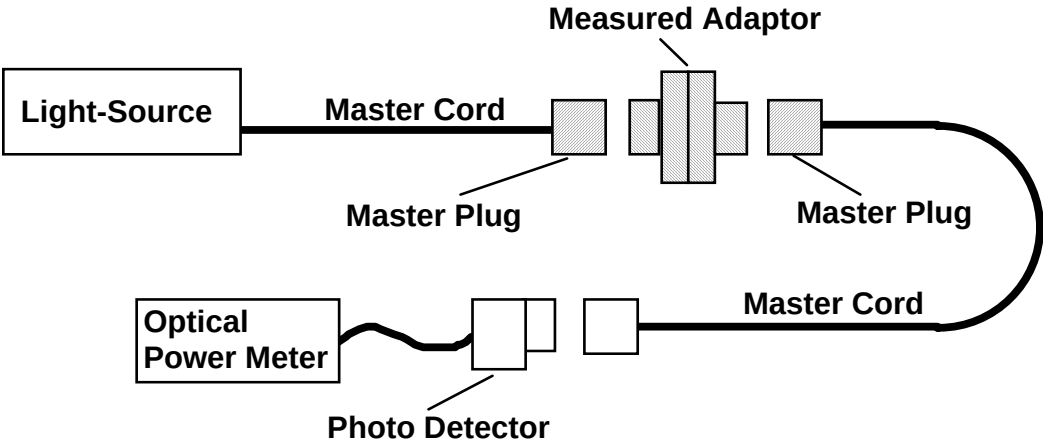


Figure 1 Insertion Loss Measurement System

Table 4 Insertion Loss and Measurement Conditions

|                |                  |                  |
|----------------|------------------|------------------|
| Part Number    |                  | SLCFP-2A1 22**1G |
| Insertion Loss |                  | 0.2 dB or less   |
| Conditions     | Light Source     | LD               |
|                | Wave Length      | 1.31 μm          |
|                | Applicable Fiber | Single mode      |
|                | Master Cord Type | PC, R20mm        |

3.5 Appearance

There shall be no burrs 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.

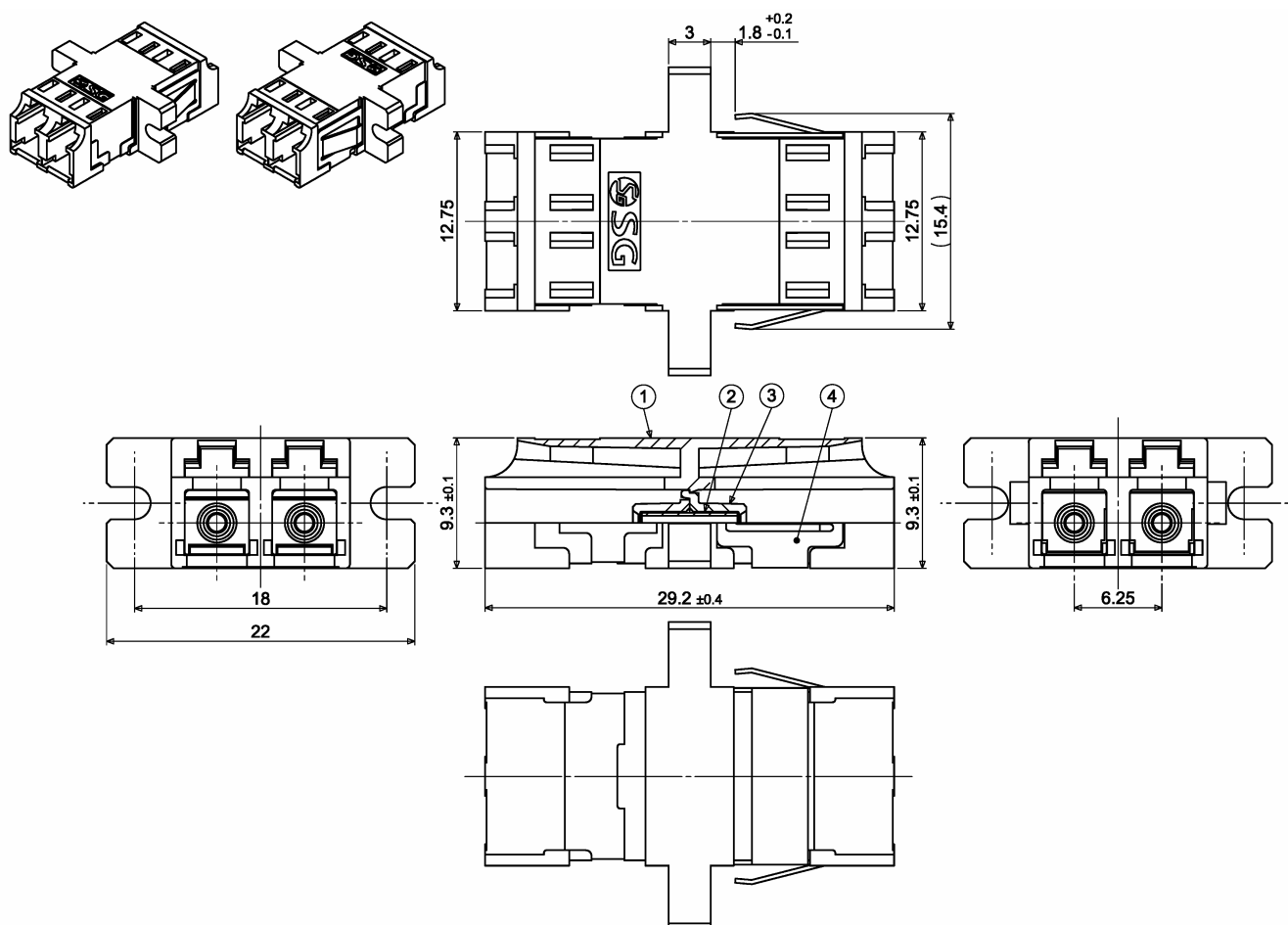
### **6.2 Precautions for Use**

Contamination, oil, sweat and others debris on the 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.

### **6.3 Disposal**

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

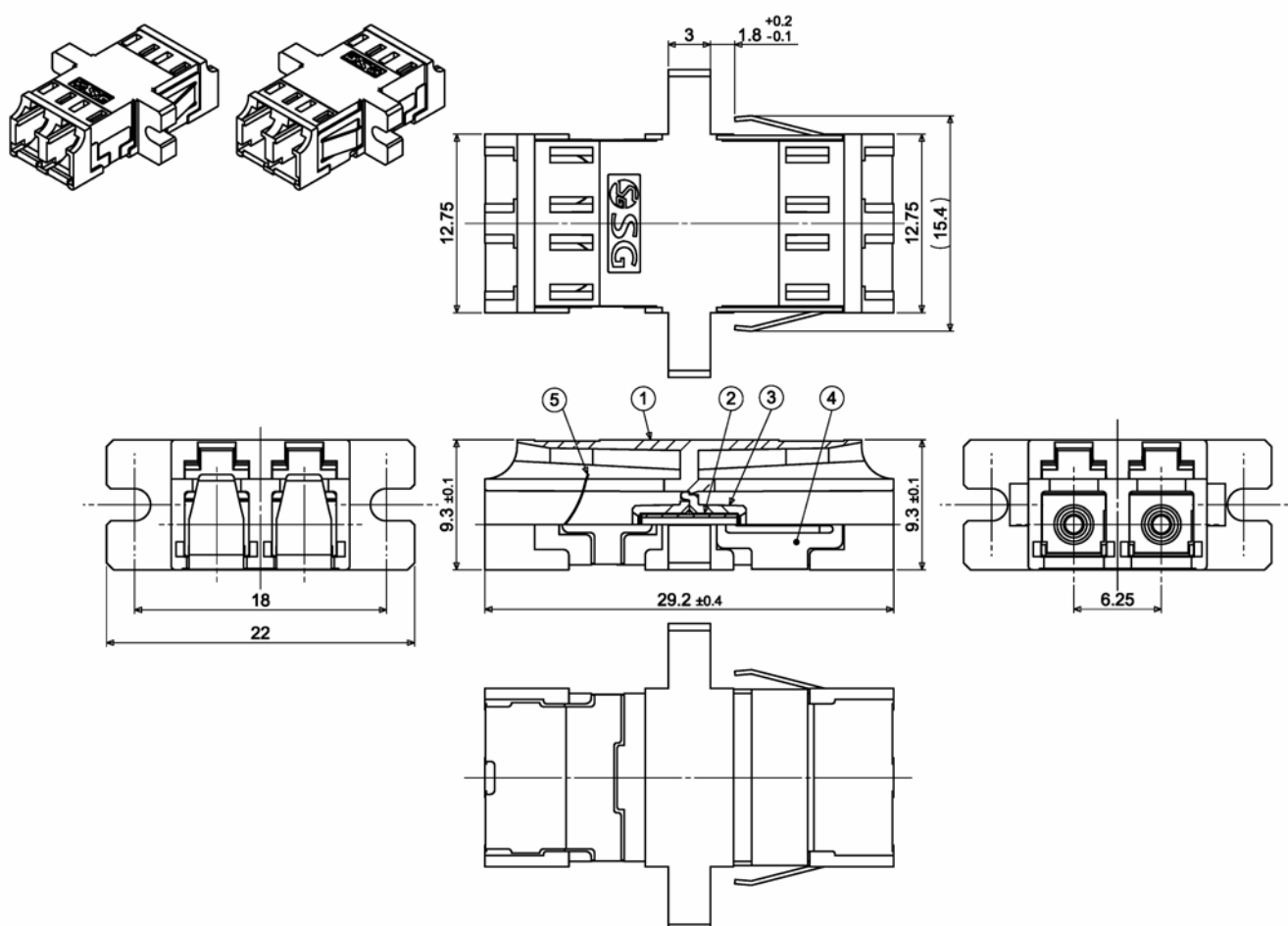




Note: This drawing does not include the cap.

Unit: mm

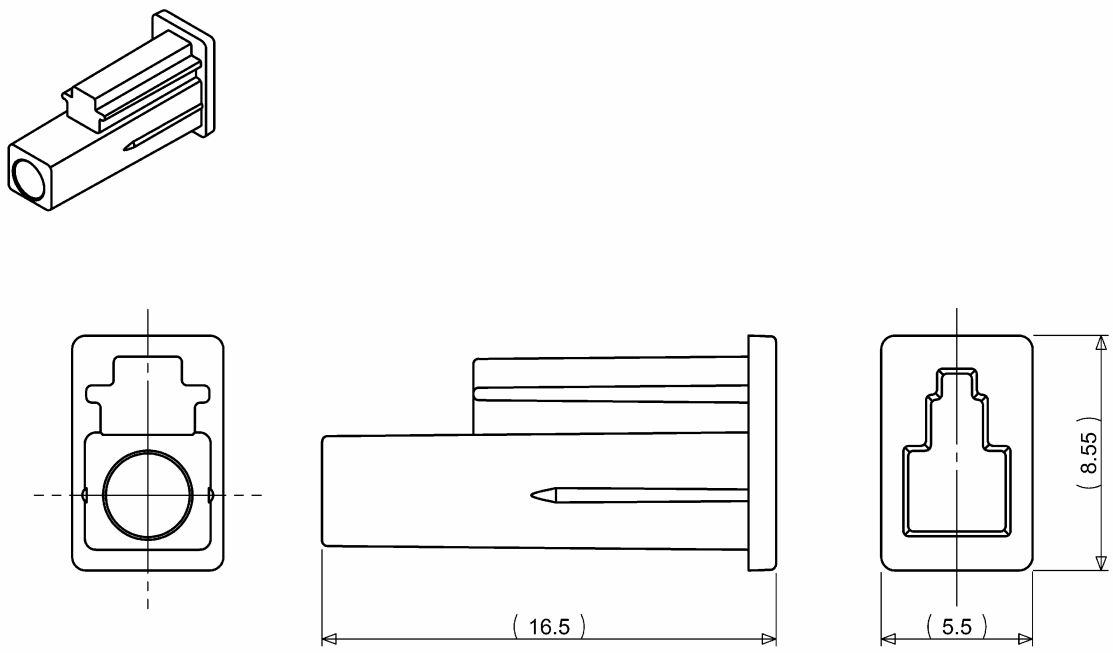
Figure 2-1 SLCFP-2A1 Series ( Standard ) Adaptor



Note: This drawing does not include the cap.

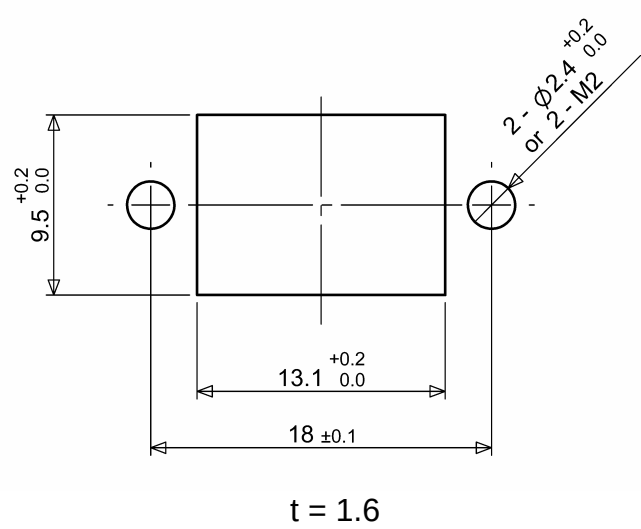
Unit: mm

Figure 2-2 SLCFP-2A1 Series ( With Shutter ) Adaptor



Unit: mm

Figure 3 ⑥ Cap



Unit: mm

Figure 4 Cut-hole Dimensions for Reference