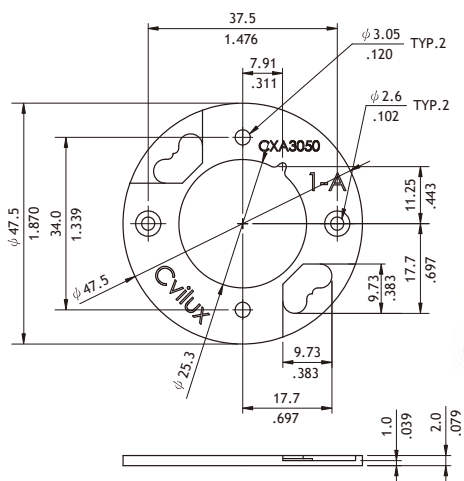


CL01 Series LED Holder

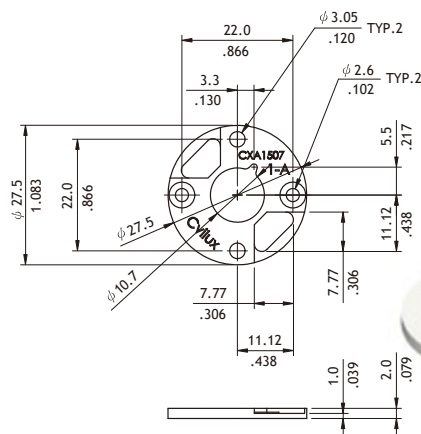


RoHS Compliant HF

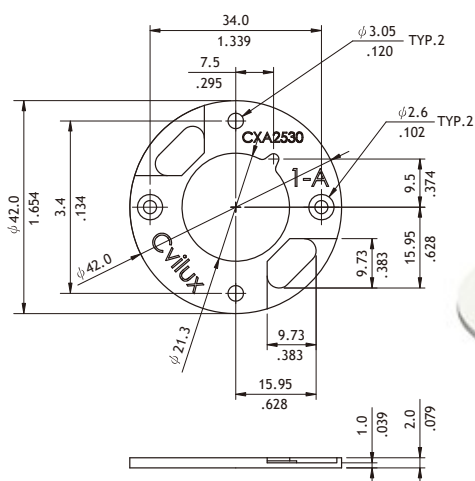
P/N CL01A0H0000



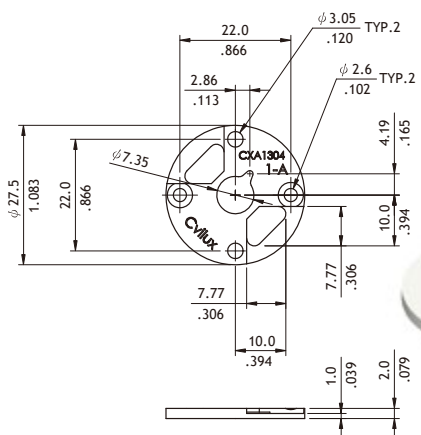
P/N CL01C0H0000



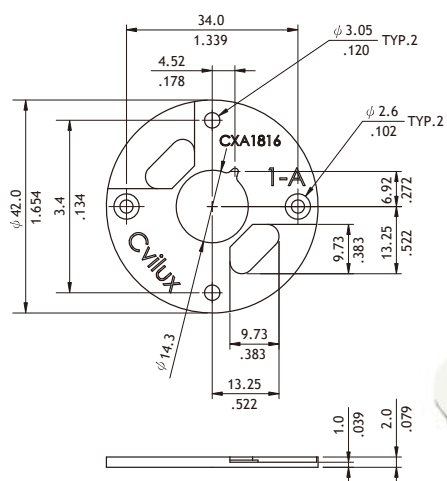
P/N CL01B0H0000



P/N CL01CAH0000



P/N CL01BAH0000



| CviLux P/N  | CREE P/N |
|-------------|----------|
| CL01A0H0000 | CXA3050  |
| CL01B0H0000 | CXA2530  |
| CL01BAH0000 | CXA1816  |
| CL01C0H0000 | CXA1507  |
| CL01CAH0000 | CXA1304  |

## Fiber Optical Connectors and Cable Assembly

CL

Due to the drastically increasing demands on internet bandwidth, fiber optical network has become the infrastructure of modern society. In clouding computing, fiber optical communication technology also provides high speed and stable data transferring with low EMI and low energy consumption in central office.

CviLux, the high quality electronic connector vender, now starts to provide fiber optical communication related products and services. Below are our new products:

### Fiber Optical Patchcords:

| Specification         | SM                                             |                     |                     | MM                  |
|-----------------------|------------------------------------------------|---------------------|---------------------|---------------------|
| Polishing Type        | PC                                             | UPC                 | APC                 | PC                  |
| Insertion Loss        | $\leq 0.3\text{dB}$                            |                     |                     | $\leq 0.3\text{dB}$ |
| Return Loss           | $\leq -45\text{dB}$                            | $\leq -50\text{dB}$ | $\leq -60\text{dB}$ | -                   |
| Durability            | 0.2dB Max. Increase                            |                     |                     |                     |
| Operating Temperature | $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ |                     |                     |                     |
| Storage Temperature   | $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ |                     |                     |                     |



### MTP/MPO Patchcords:

| Specification           | SM                                             | SM/Premium          | MM                | MM/Premium        |
|-------------------------|------------------------------------------------|---------------------|-------------------|-------------------|
| Polishing Type          | APC                                            | APC                 | PC                | PC                |
| Average IL (all fibers) | 0.25dB                                         | 0.1dB               | 0.2dB             | 0.1dB             |
| Max. IL (single fiber)  | 0.75dB                                         | 0.35dB              | 0.5dB             | 0.35dB            |
| Return Loss             | $\leq -60\text{dB}$                            | $\leq -60\text{dB}$ | $< -25\text{dB}$  | $< -25\text{dB}$  |
| Durability              | $< 0.30\text{dB}$                              | $< 0.30\text{dB}$   | $< 0.20\text{dB}$ | $< 0.20\text{dB}$ |
| Operating Temperature   | $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ |                     |                   |                   |



### Active Optical Cables:



### Planar Lightwave Circuit Splitters:



### Optical Adaptors:



### Optical Attenuators:

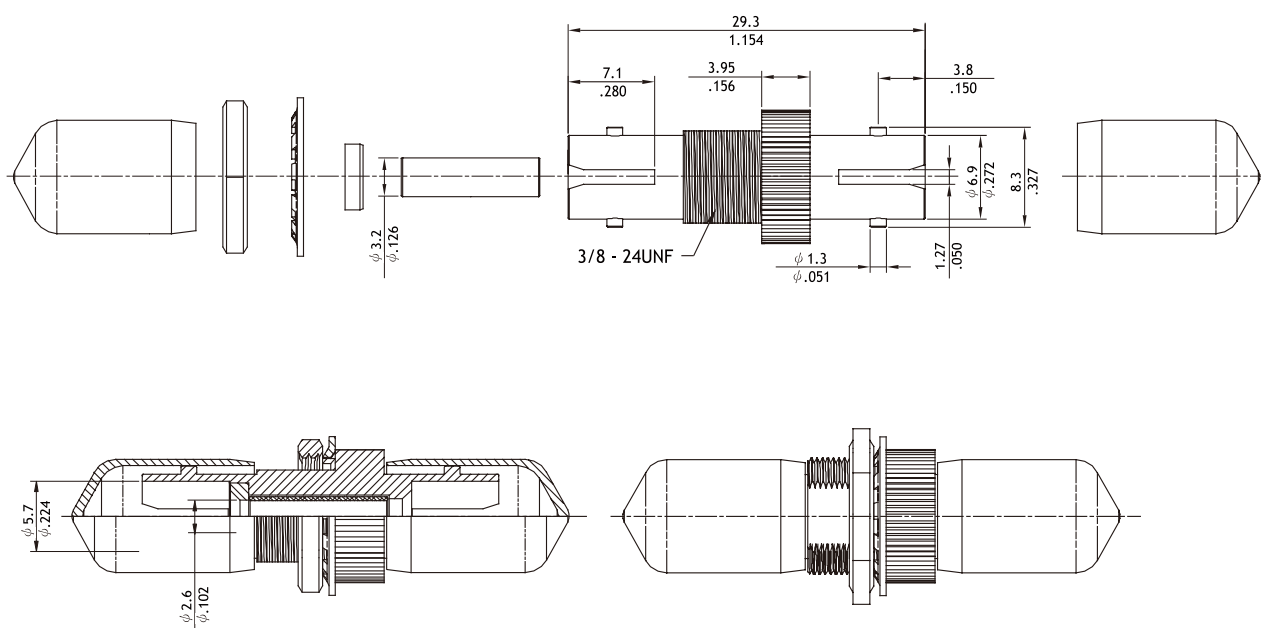


## CL Series Fiber Optical ST Type Adaptors

- ◎ Insertion Loss:  $\leq 0.3\text{dB}$
- ◎ Durability: 0.2dB Max. Increase
- ◎ Withdraw Force: 200~600 gf
- ◎ Operating Temperature:  $-10^{\circ}\text{C} \sim +65^{\circ}$
- ◎ Compliant with Bellcore GR-326, IEC61754-2, JIS C5978



RoHS Compliant



## Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

CL SC A 1 Z 7 1 00

- ① Series No.
- ② Adaptor Type:  
SC=SC Type  
FC=FC Type  
ST=ST Type
- ③ Appearance Type  
A=Type A Simplex

- ④ Polishing Type:  
1=PC UPC/SM  
2=APC SM  
3=PC/MM
- ⑤ Sleeve Material:  
P=PhBr  
Z=ZrO<sub>2</sub>  
N=none

- ⑥ Body color:  
A=Argent ; B=Beige ; 3=Red ;  
6=Green ; 7=Blue
- ⑦ Cap color:  
B= Beige ; N=None ; 1=Black ;  
3=Red ; 6=Green ; 7=Blue
- ⑧ Other Options:  
00 = Standard

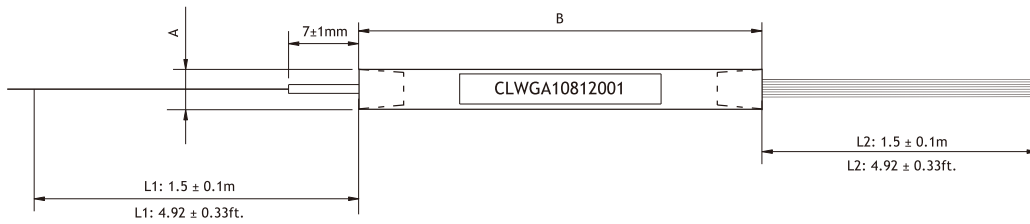
## CL Series Fiber Optical PLC Splitters

- ◎ Wavelength: 1260 ~ 1650 nm
- ◎ Operating Temperature: -40°C to +85 °
- ◎ Operating Humidity: 5 to 95% RH
- ◎ Compliant with Bellcore GR-1209, GR-1221

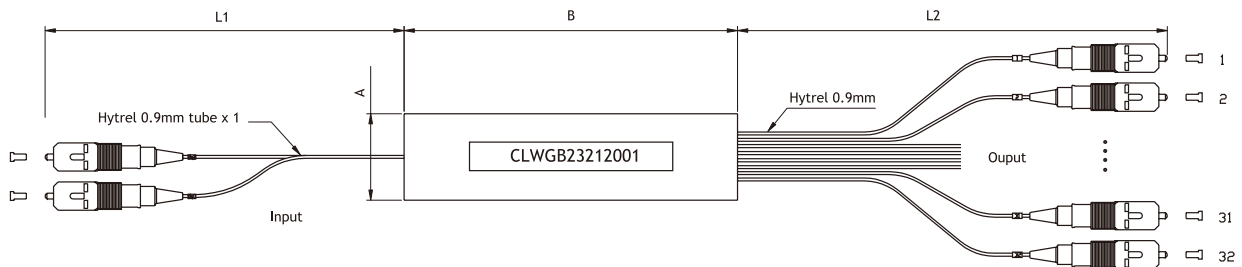


RoHS Compliant

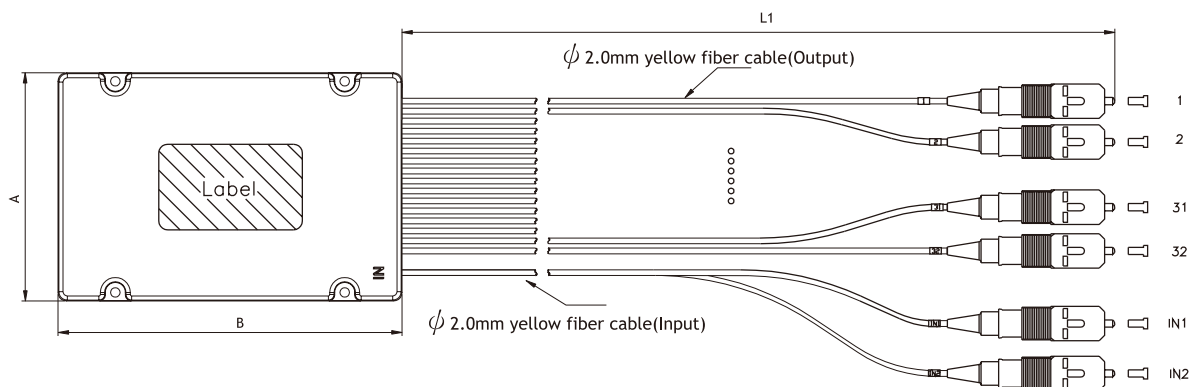
P/N CLWGA10812001



P/N CLWGB23212001



P/N CLWGC23212001



## CL Series Fiber Optical PLC Splitters

## For 1xN PLC Splitter:

Dimension:

| Specification (mm) | 1x2       | 1x4 | 1x8 | 1x16      | 1x32    | 1x64       |
|--------------------|-----------|-----|-----|-----------|---------|------------|
| Base Type (TxAxB)  | 4x4x40    |     |     | 4x7x50    |         | 4x12x60    |
| Mini Type          | 4x7x60    |     |     | 4x12x60   | 6x20x80 | -          |
| Module Type        | 10x80x100 |     |     | 18x80x120 |         | 18x115x140 |

\*Note: T means the thickness

Optical Specification:

| Specification       | 1x2         | 1x4   | 1x8    | 1x16   | 1x32   | 1x64   |
|---------------------|-------------|-------|--------|--------|--------|--------|
| Wavelength          | 1260~1650nm |       |        |        |        |        |
| Insertion Loss (dB) | ≤ 4.0       | ≤ 7.4 | ≤ 10.7 | ≤ 13.7 | ≤ 16.9 | ≤ 21.0 |
| Uniformity (dB)     | ≤ 0.4       | ≤ 0.6 | ≤ 0.8  | ≤ 1.2  | ≤ 1.5  | ≤ 2.5  |
| PDL (dB)            | ≤ 0.2       | ≤ 0.2 | ≤ 0.3  | ≤ 0.3  | ≤ 0.3  | ≤ 0.4  |
| Return Loss(dB)     | ≥ 55        |       |        |        |        |        |
| Directivity (dB)    | ≥ 55        |       |        |        |        |        |

\*Note: W/O the connector loss

## For 2xN PLC Splitter:

Optical Specification:

| Specification (mm) | 2x2       | 2x4 | 2x8 | 2x16      | 2x32    |
|--------------------|-----------|-----|-----|-----------|---------|
| Base Type (TxAxB)  | 4x5x45    |     |     | 4x7x60    |         |
| Mini Type          | 4x7x60    |     |     | 4x12x60   | 6x20x80 |
| Module Type        | 10x80x100 |     |     | 18x80x120 |         |

\*Note: T means the thickness

Dimension:

| Specification       | 2x2         | 2x4   | 2x8    | 2x16   | 2x32   |
|---------------------|-------------|-------|--------|--------|--------|
| Wavelength          | 1260~1650nm |       |        |        |        |
| Insertion Loss (dB) | ≤ 4.2       | ≤ 7.8 | ≤ 11.5 | ≤ 14.5 | ≤ 17.7 |
| Uniformity (dB)     | ≤ 0.6       | ≤ 1.2 | ≤ 1.5  | ≤ 1.8  | ≤ 2.0  |
| PDL (dB)            | ≤ 0.2       | ≤ 0.2 | ≤ 0.4  | ≤ 0.4  | ≤ 0.4  |
| Return Loss(dB)     | ≥ 50        |       |        |        |        |
| Directivity (dB)    | ≥ 55        |       |        |        |        |

\*Note: W/O the connector loss

## Ordering Code

①

②

③

④

⑤

⑥

⑦

CL

WG

A

1

08

14

001

- ① Series No.  
 ② WG=PLC Splitter  
 ③ Package Type:  
 A=Base Type  
 B=Mini Type  
 C=Module Type

- ④ NO.of Inputs:  
 1 = 1 input  
 2 = 2 inputs  
 ⑤ No.of Outputs  
 02= 2 outputs ; 04= 4 outputs  
 08= 8 outputs ; 16= 16 outputs  
 32= 32 outputs ; 64= 64 outputs

- ⑥ Year: 14 = 2014  
 ⑦ Serial code: 001~999