

Cartridge Type Laboratory Use Unit

CLU-300

CLU-300 is a platform which combines various optical functions in a module with pluggable cartridges. Optical characteristics such as polarization state, attenuation, and transmission wavelength can be easily controlled by simply adding functional cartridges without optical alignment.

Features

- Easy to replace / exchange
- Optical customization of special crystals
- Low insertion loss
- Up to three cartridge cascable



Polarizer



$\lambda/2$ Plate



$\lambda/4$ Plate



Attenuator



Fiber Pigtail Type



Tunable Filter



Receptacle Type (FC)



Receptacle Type (SC)

■ Cartridge Module



Attenuator (PCC-A)
Attenuation: 0-45dB



Tunable Filter (PCC-F)
Tuning range: $\geq 20\text{nm}$



Polarizer (PCC15-P)
PER: $\geq 35\text{dB}$



$\lambda/4$ Plate (PCC-Q)
Loss: $\leq 0.1\text{dB}$



$\lambda/2$ Plate (PCC-H)
Loss: $\leq 0.1\text{dB}$

■ Configuration Example

Polarizer + $\lambda/4$ Plate + $\lambda/2$ Plate Module



Ordering code: CLU-300-F-15-S-S-P-Q-H

Insertion loss	$\leq 0.9\text{dB}$
Loss variation	$\leq 0.1\text{dB}$
PER	$\geq 35\text{dB}$
Return loss	$\geq 50\text{dB}$
Fiber	SMF (Ø3mm Jacket)
Connector	SC/SPC

$\lambda/4$ Plate + $\lambda/2$ Plate Module



Ordering code: CLU-300-F-15-S-S-Q-H

Insertion loss	$\leq 0.7\text{dB}$
Loss variation	$\leq 0.1\text{dB}$
Return loss	$\geq 50\text{dB}$
Fiber	SMF (Ø3mm Jacket)
Connector	SC/SPC

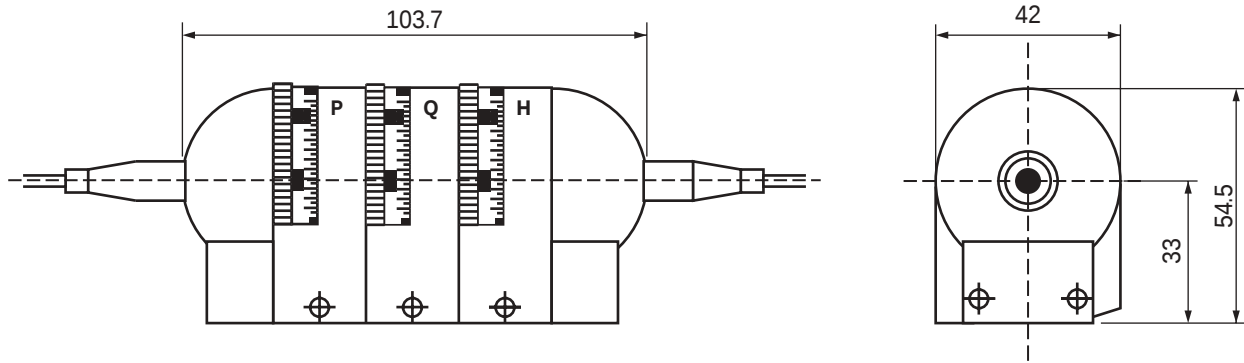
Polarizer Module



Ordering code: CLU-300-F-15-S-S-P

Insertion loss	$\leq 0.7\text{dB}$
Loss variation	$\leq 0.1\text{dB}$
PER	$\geq 35\text{dB}$
Return loss	$\geq 50\text{dB}$
Fiber	SMF (Ø3mm Jacket)
Connector	SC/SPC

■ Dimensions



■ Ordering Code

CLU-300 - **A** - **B** - **C** - **D** - **E**

A=Module	F: Fiber pigtail R: Receptacle
B=Wavelength Range	15: 1550nm 13: 1310nm
C=Fiber	S: SMF D: DSF P: PMF SP: SMF-PMF M: MMF
D=Connector	F: FC/SPC S: SC/SPC FA: FC/APC SA: SC/APC
E=Cartridge	P: Polarizer 5Q: 1.55 $\mu\text{m}\lambda$ /4 Plate 3Q: 1.31 $\mu\text{m}\lambda$ /4 Plate 5H: 1.55 $\mu\text{m}\lambda$ /2 Plate 3H: 1.31 $\mu\text{m}\lambda$ /2 Plate A: Attenuator F: Tunable Filter

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