

# Cartridge Series Polarization Controller/Attenuator

## *Key Features and Appearance*

- Cassette module enables easy assembly and offers multi-function
- Applicable to S, C, L-band
- Function as tunable filter
- Function as variable optical attenuator
- Low price



**Polarizer**



**$\lambda/4$ -plate**



**$\lambda/2$ -plate**



**Variable Attenuator**



**3-stage-polarization controller (PCUA)**



**Tunable Filter**



**FC receptacle type  
PCMB15-S/F**

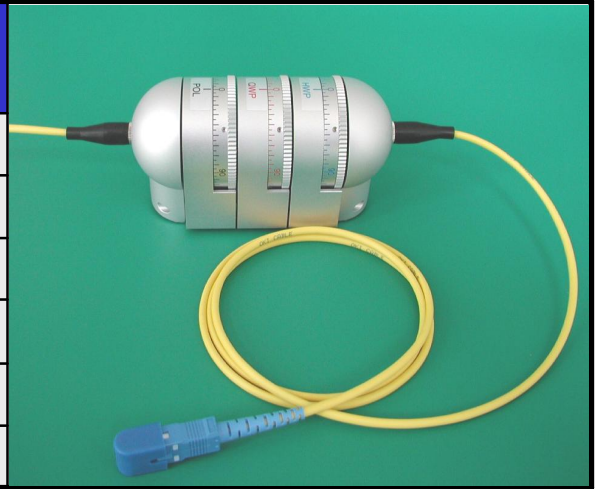


**SC receptacle type  
PCMB15-S/S**

# Specifications

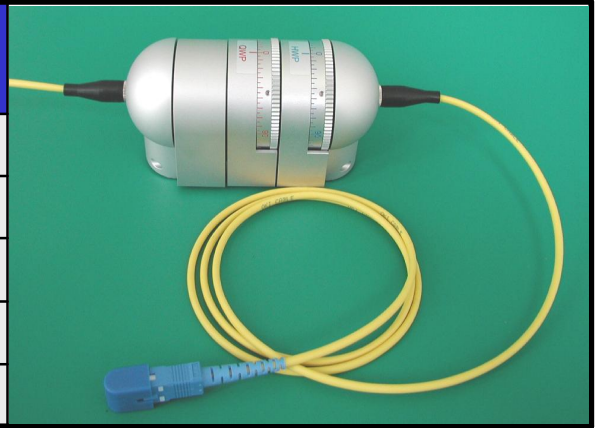
## 3-stage-polarization controller Model : PCUA

Model:PCUA15-S/F(P/Q/H) Model:PCUA15-D/F(P/Q/H)	
Insertion Loss	$\leq 0.9\text{dB}$
Loss Variation	$\leq 0.1\text{dB}$
Extinction ratio	$\geq 35\text{dB}$
Return Loss	$\geq 50\text{dB}$
Optical fiber	SMF or DSF ( $\phi$ 3mm cord)
Optical connector	FC/SPC or SC/SPC



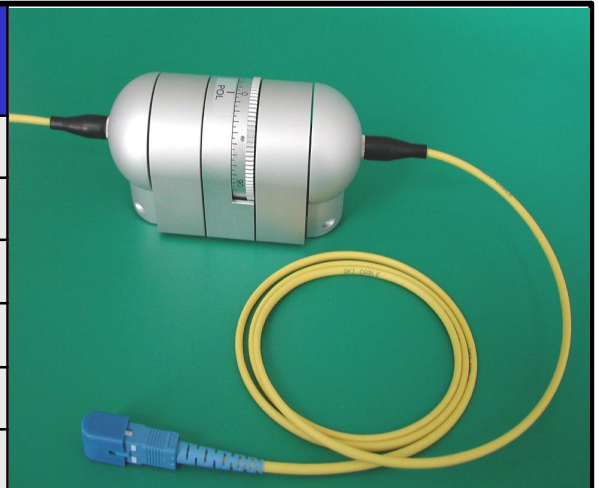
## 2-stage-polarization controller Model : PCUB

Model:PCUB15-S/F(Q/H) Model:PCUB15-D/F(Q/H)	
Insertion Loss	$\leq 0.7\text{dB}$
Loss Variation	$\leq 0.1\text{dB}$
Return Loss	$\geq 50\text{dB}$
Optical fiber	SMF or DSF ( $\phi$ 3mm cord)
Optical connector	FC/SPC or SC/SPC

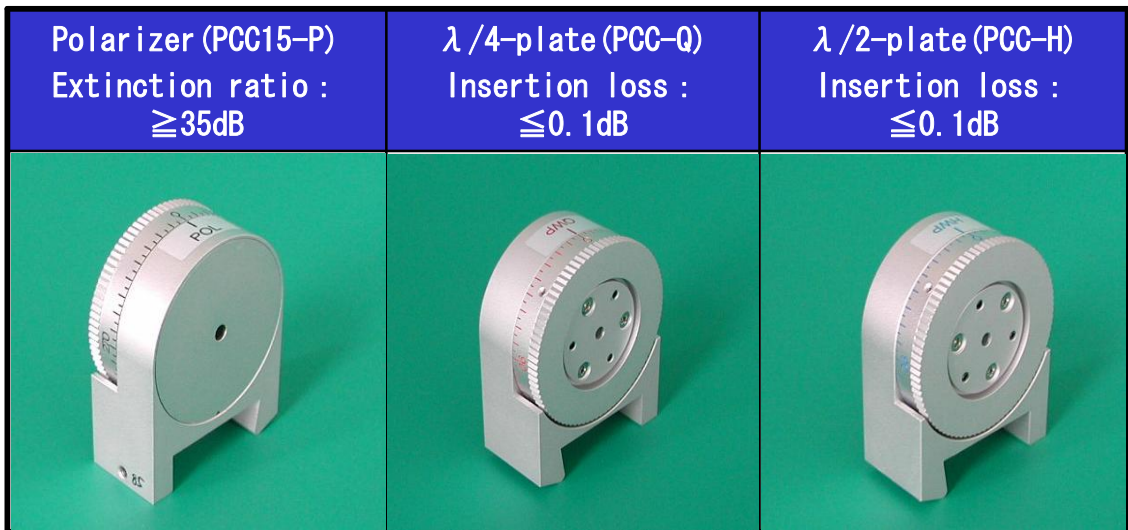
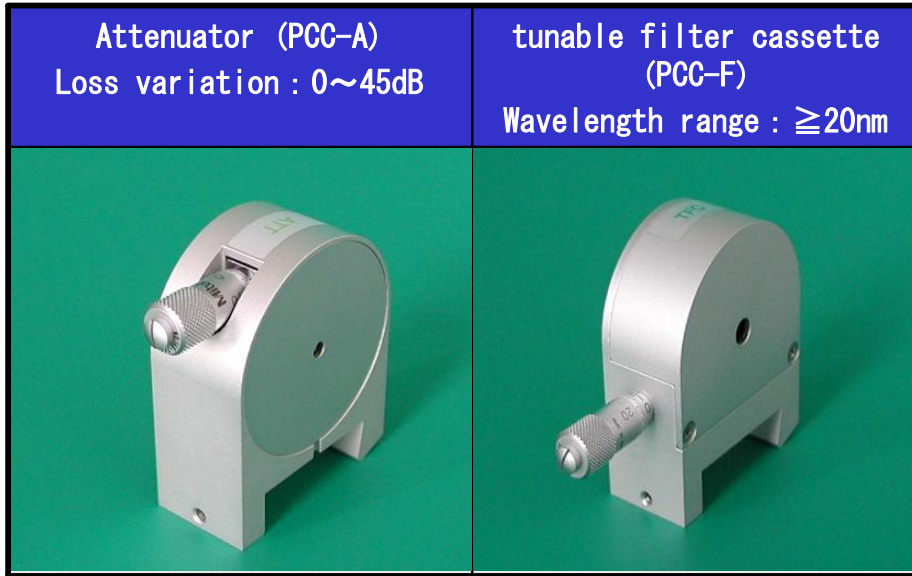


## Rotating Polarizer Model : PCUC

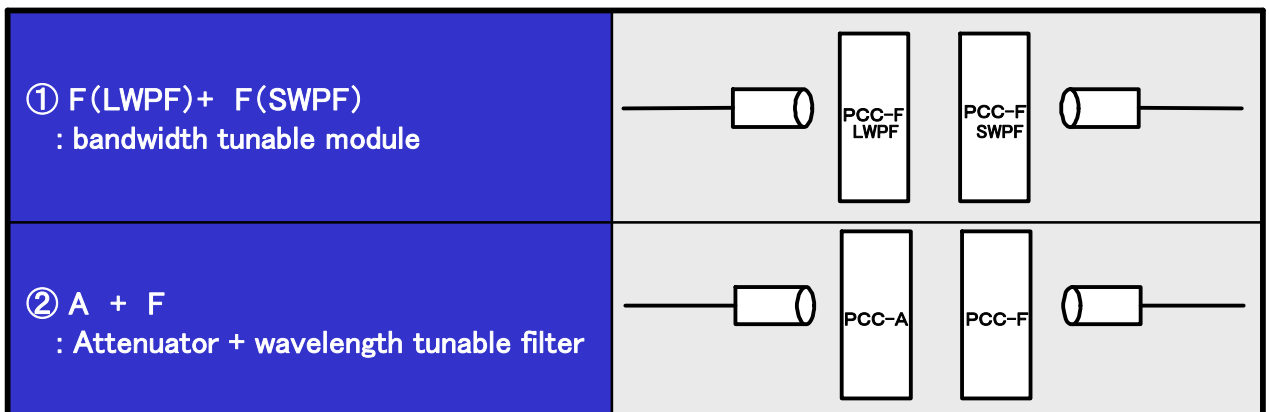
Model:PCUC15-S/F(P) Model:PCUC15-D/F(P)	
Insertion Loss	$\leq 0.7\text{dB}$
Loss Variation	$\leq 0.1\text{dB}$
Extinction ratio	$\geq 35\text{dB}$
Return Loss	$\geq 50\text{dB}$
Optical fiber	SMF or DSF ( $\phi$ 3mm code)
Optical connector	FC/SPC or SC/SPC



# Single-stage Cassette

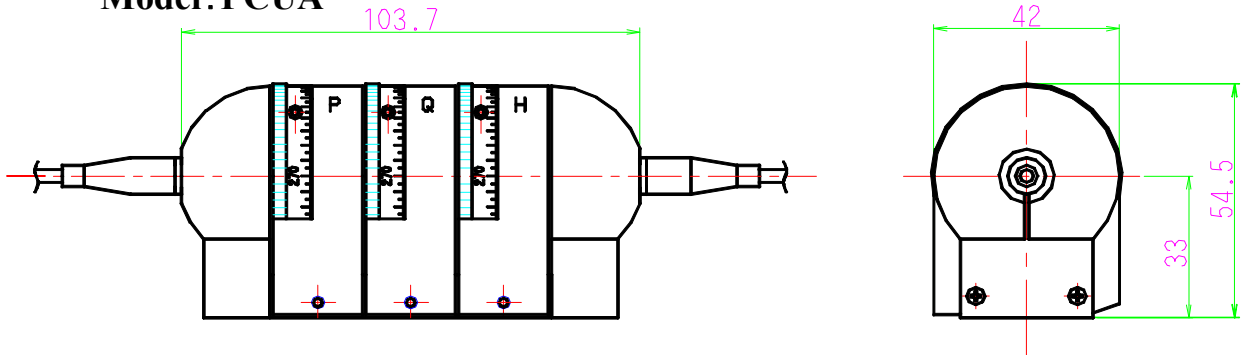


# Example of Cassette Combination



# Dimensions

Model: PCUA



## Order Form

- 1) Product: 3-stage-polarization controller Model: PCUA  
 Case: Polarizer(PCC15-P)/  $\lambda/4$ -plate(PCC-Q)/  $\lambda/2$ -plate(PCC-H) / Fiber pigtail(PCMA)  
 Order form: PCUA 15- S / E (P/Q/H)  
                   ①   ②   ③   ④
- 2) Product: 2-stage-polarization controller Model: PCUB  
 Case:  $\lambda/4$ -plate(PCC-Q)/  $\lambda/2$ -plate(PCC-H)/ Fiber pigtail (PCMA)  
 Order form: PCUB 15- S / E (Q/H)  
                   ①   ②   ③   ④
- 3) Product: Rotating polarizer module Model: PCUC  
 Case: Polarizer(PCC15-P)/ Fiber pigtail(PCMA)  
 Order form: PCUC 15 - S / E (P)  
                   ①   ②   ③   ④
- 4) Product: Attenuator module Model: PCUD  
 Case: Attenuator(PCC-A)/ Fiber pigtail(PCMA)  
 Order form: PCUD 15 - S / E - (A)  
                   ①   ②   ③   ④

PCMA	Pig-tail type
PCMB	Receptacle type
①Wavelength	15:1550nm 13:1310nm
②Optical fiber	S:SMF D:DSF P:PMF SP:SMF-PMF M:MMF
③Optical connector	F:FC/SPC S:SC/SPC FA:FC/APC SA:SC/APC
④Cassette (PCC)	P:Polarizer 5Q: $\lambda/4$ -plate (1.55 $\mu$ m) 3Q: $\lambda/4$ -plate (1.31 $\mu$ m) 5H: $\lambda/2$ -plate (1.55 $\mu$ m) 3H: $\lambda/2$ -plate (1.31 $\mu$ m) A:attenuator F:tunable filter cassette

## Contact

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