

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

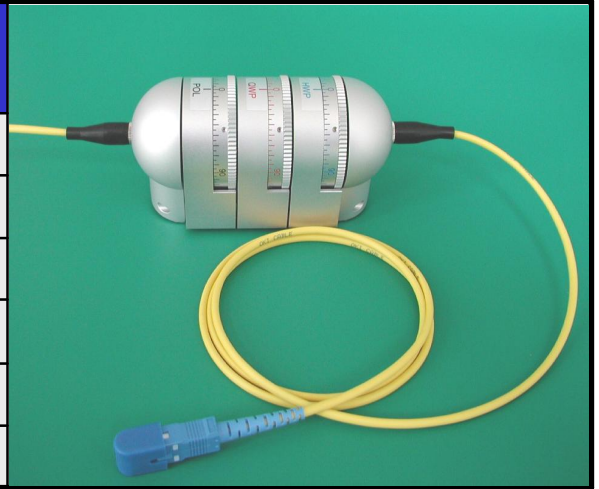


SC receptacle type
PCMB15-S/S

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 (ϕ 3mm cord)
Optical connector	FC/SPC or SC/SPC



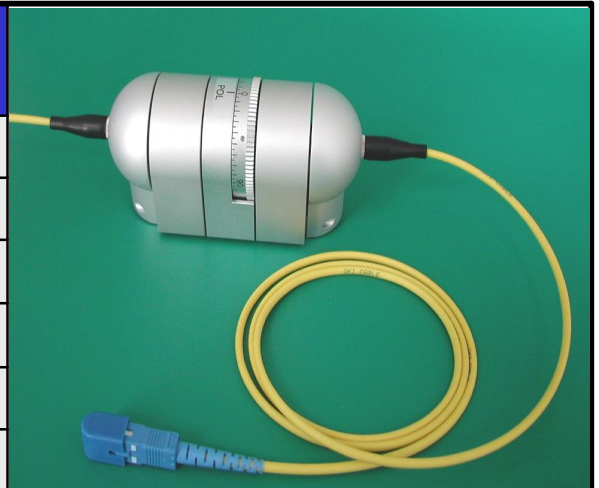
2-stage-polarization controller Model : PCUB

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 (ϕ 3mm cord)
Optical connector	FC/SPC or SC/SPC

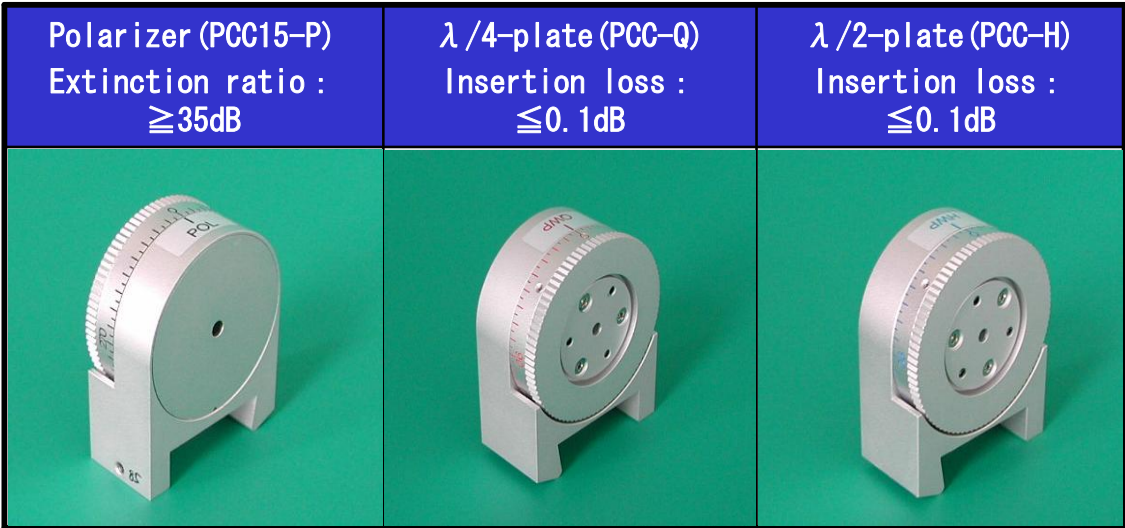
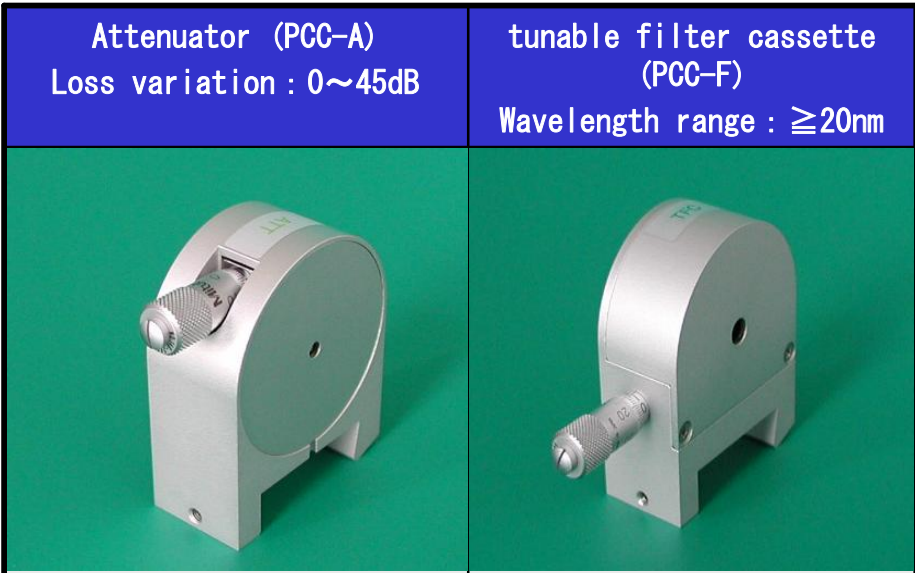


Rotating Polarizer Model : PCUC

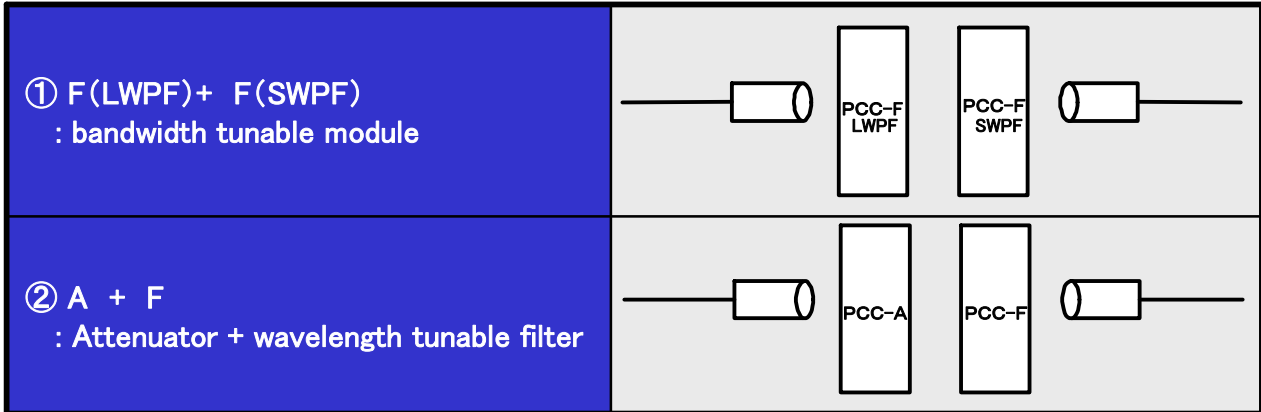
Model:PCUC15-S/F(P) Model:PCUC15-D/F(P)	
Insertion Loss	$\leq 0.7\text{dB}$
Loss Variation	$\leq 0.1\text{dB}$
Extinction ratio	$\geq 35\text{dB}$
Return Loss	$\geq 50\text{dB}$
Optical fiber	SMF or DSF (ϕ 3mm code)
Optical connector	FC/SPC or SC/SPC



Single-stage Cassette

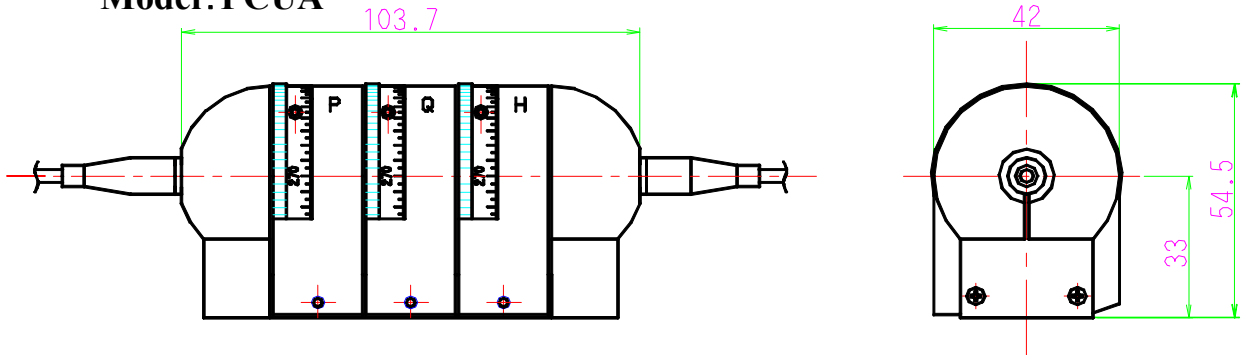


Example of Cassette Combination



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 μ m) 3Q: $\lambda/4$ -plate (1.31 μ m) 5H: $\lambda/2$ -plate (1.55 μ m) 3H: $\lambda/2$ -plate (1.31 μ m) A:attenuator F:tunable filter cassette

Contact

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