

# 1542nm Polarization Beam Splitter Faraday Rotator

## Features

- Low Insertion Loss
- High Extinction Ratio
- High Stability and Reliability

## Applications

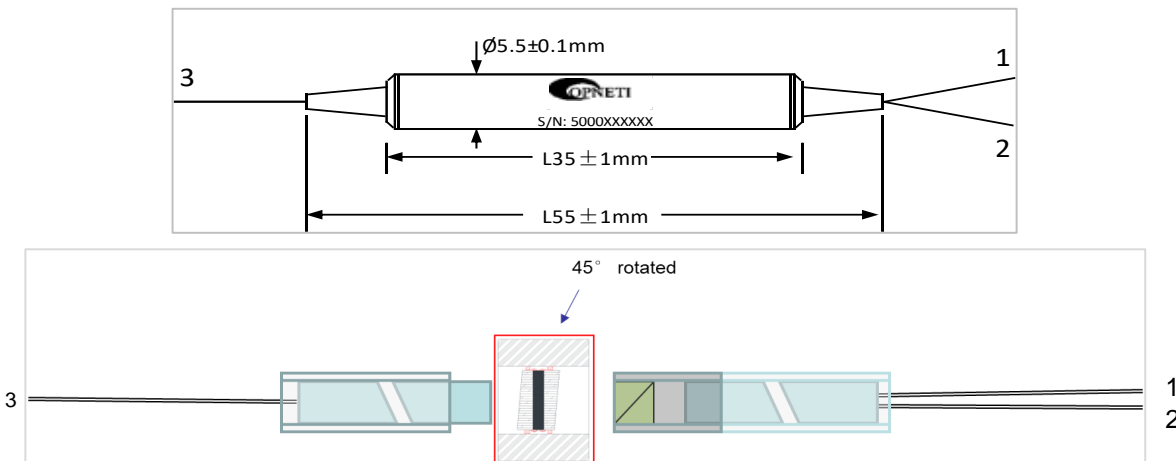
- EDFA & Raman Amplifier
- Fiber Sensor
- Coherent Telecommunication Systems
- Polarization Mode Dispersion Compensator

## Specifications

Parameters	Unit	Grade P	Grade A
Operating Wavelength	nm	1542	
Operating Bandwidth	nm	±10	
Typ. Excess Insertion Loss	dB	0.4	0.5
Insertion Loss Port 3 -> Port 1: slow in, slow out	dB	≤0.7	≤0.8
Insertion Loss Port 1 -> Port 3: slow in, fast out	dB	≤0.7	≤0.8
Insertion Loss Port 2 -> Port 3: slow in, slow out	dB	≤0.7	≤0.8
Extinction Ratio	dB	≥20	≥18
Directivity (Port 1 -> Port 2)	dB	≥50	
Return Loss	dB	≥50	
Power Handling	mW	≤300	
Port 3 Customized		SMF-28e, or PMF with port 3 slow axis 45° rotated align to port 1	
Fiber Type at port 1 and port 2		PM 1550 fiber	
Fiber Length	m	0.8	
Operating Temperature	°C	-5~+70	
Storage Temperature	°C	-40 ~ +80	
Dimensions	mm	φ5.5×L35	

\*For devices with connectors, IL+0.3dB, RL-5dB, ER-2dB.

## Package Dimensions



## Ordering Information

PBSFR- ①①①-②-③③③③-④④④-⑤-⑥⑥⑥-⑦⑦

①	Port	1x2;
②	Grade	P=Grade P; A=Grade A;
③	Wavelength	1542;
④	Pigtail Type	250=250um Fiber; 900=900um Loose Tube;
⑤	Fiber Type @ Port 3	1=SMF-28e at port 3; 3=PM1550 at port 3;
⑥	Length	0.8=0.8m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;