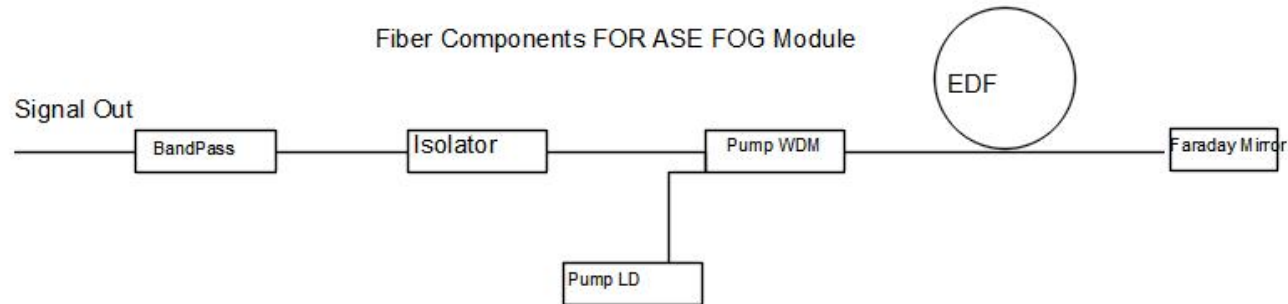
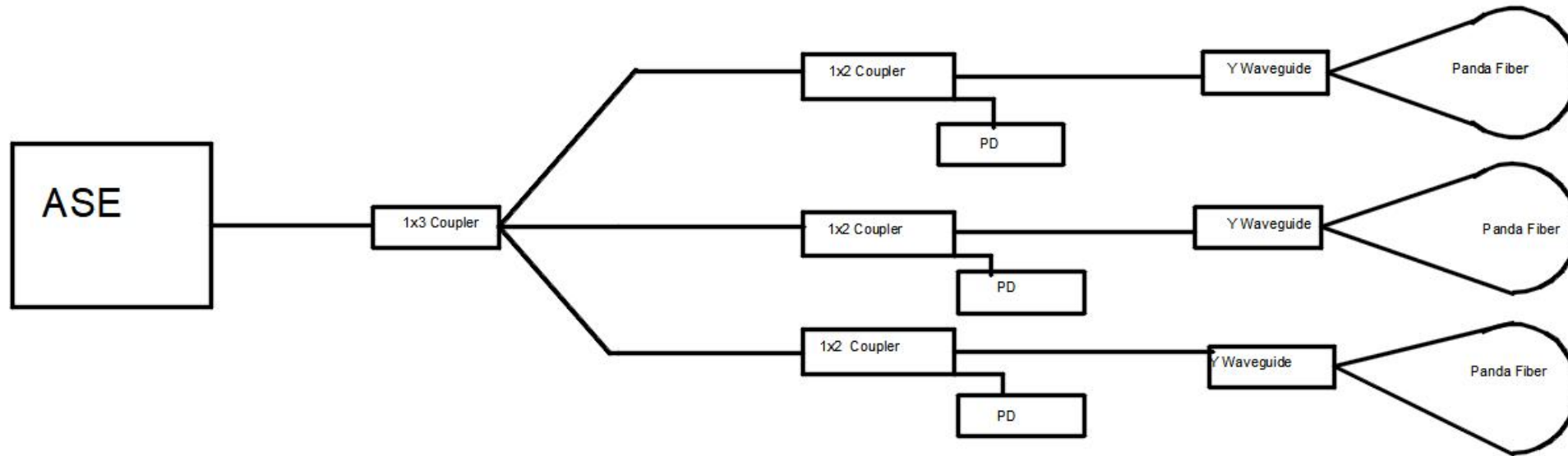


Fiber Components of FIBER OPTICE GYROSCOPE





Single Mode Coupler

Port	unit	1×2	1×3
Working wavelength	nm	1550	
working bandwidth	nm	±20	±20
model	%	50/50	33/33/33
Insertion loss	dB	<3.4	<5.8
Polarization loss	dB	0.1	0.25
Uniformity	dB	<0.8	1.2
return loss	dB	50	50
directionality	dB	55	50
Fiber type	/	RC80 SM1550 or SMF-28 Ultra	
package size	mm	2.4x30	2.4x30



Polarization Insensitive Isolator

Type	Dual Stage
Operatingwavelength(nm)	1550
Bandwidth(nm)	± 15
Isolation (dB)	≥ 40
InsertionLoss (dB)	≤ 0.90
PDL@23°C (dB)	≤ 0.15
PMD(ps)	≤ 0.25
Returnloss(dB)	$\geq 55/50$
Powerhandling(mW)	≤ 500
FiberType	SMF-28e or RC80SM1550
Operatingtemperature(°C)	-5~+70
Storagetemperature(°C)	-40~+80
Dimensions(mm)	SUS Tube $\phi 3.0 \times L21$ or $\phi 2.5 \times L20$



980/1550nm Pump WDM Coupler

Wavelength(nm)	980/1550
Bandwidth(nm)	±10/20
Insertion loss(dB)	≤0.25
Isolation(dB)	≥20
PDL(dB)	≤0.05
Directivity (dB)	≥55
Operating temperature(°C)	-40~+85
Storage temperature(°C)	-40~+85
Fiber	RC SM980 or 980-16 Fiber
Pigtail type	bare fiber
Package Dimensions (mm)	Φ2.4×L30



Faraday Mirror

Operating wavelength (nm)	1550
Operating bandwidth (nm)	± 15
Insertion loss (dB)	≤ 0.6
Faraday Rotation Angle(single pass) (Deg)	45
Rotation angle tolerance (Deg)	± 1
PDL (dB)	≤ 0.05
PMD (ps)	≤ 0.05
Power handling (mW)	≤ 500
Fiber Type	SMF-28e or RSCSM1550
Operating temperature($^{\circ}\text{C}$)	-5 ~ +70
Storage temperature($^{\circ}\text{C}$)	-40~ +85
Package dimensions(mm)	$\Phi 3.2 \times 12$



Bandpass Filter

Parameters	Unit	Parameter
Nominal Center Wavelength	nm	1550
Bandwidth	nm	±7
Insertion Loss	dB	0.6
Min. Stop Band Isolation	dB	30
PDL	dB	0.1
Return Loss	dB	50
Optical Power	mW	500
Max. Tensile Load	N	5
Fiber Type		SMF-28e
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85
Package dimensions	mm	Φ5.5x35