

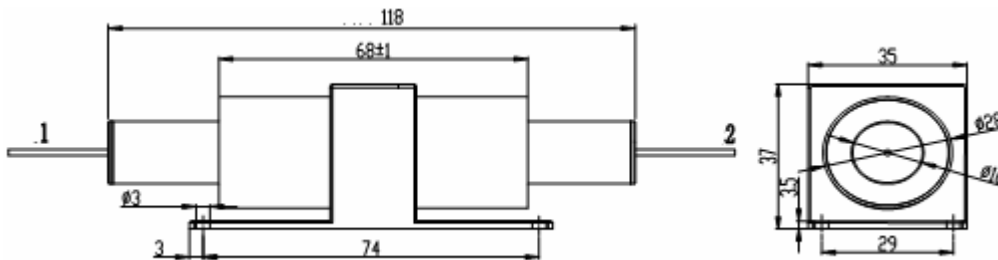
PM Isolator (850nm)

Specifications

Parameter		850nm PM Isolator
Center wavelength λ_c (nm)		850
Bandwidth(nm)		± 10
Peak isolation (dB)		32
Isolation at 23°C (dB)		≥ 25
Insertion Loss at 23°C (dB)		≤ 1.0 typ 0.6
ER(dB)	Type 1 (fast axis blocked)	≥ 22
	Type 2 (both of axis working)	≥ 20
Return loss (Input/output) (dB)		$\geq 50/50$
Power handling (mW)		≤ 300
Fiber Type		Panda Fiber
Operating temperature (°C)		0 ~ +60
Storage temperature (°C)		-20 ~ +75
Package(mm)		118x37x35

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis.

Package Dimensions:



Ordering Information

PMIS	Wavelength	Working axis	Pigtail Type	Fiber Type	Length	Package
	850	1= Fast axis blocked 2= both of axis working	900=900um loose tube 3000=3mm loose tube	5=Panda fiber	0.8= 0.8m	118x37x35

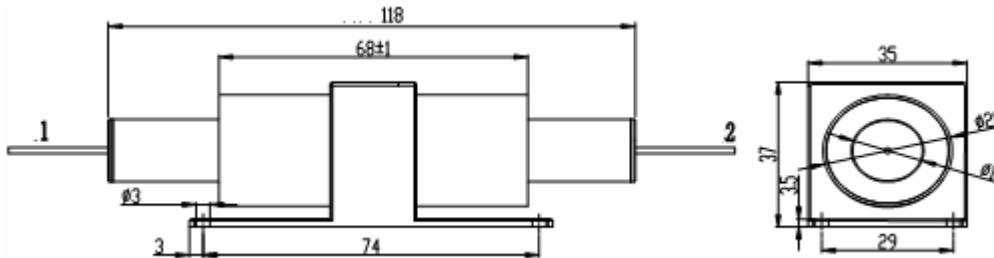
PM Isolator (980nm)

Specifications

Parameter		980nm Isolator
Center wavelength (nm)		980
Bandwidth(nm)		±10
Peak isolation (dB)		32
Isolation at 23°C (dB)		≥25
Insertion Loss at 23°C(dB)		≤1.0 typ 0.6
ER(dB)	Type 1 (Fast axis blocked)	≥22
	Type 2 (Both of axis working)	≥20
Return loss (Input/output) (dB)		≥50/50
Power handling (mW)		≤1000
Fiber Type		PM 980
Operating temperature (°C)		~5 ~ +50
Storage temperature (°C)		-20 ~ +75
Package(mm)		118x37x35

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis.

Package Dimensions:



Ordering Information


PMIS	Wavelength	Working axis	Pigtail Type	Fiber Type	Length	Package
	980	1= Fast axis blocked 2=Both of axis working	900=900um loose tube 3000=3mm loose tube	5=PM 980	0.8= 0.8m	118x37x35



詳しい問い合わせ：有限会社アミスター
 〒146-0085 東京都大田区久が原1-5-7-302
 TEL:03-6410-4277 FAX:03-6410-4278
 E-mail:info@amistar.jp



Polarization Maintaining Isolator (1064nm)

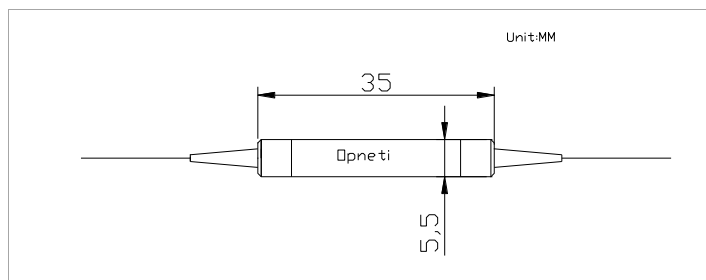
Features	
Low Insertion Loss High Extinction Ratio & High Isolation High stability and reliability	
Application	
EDFA & Fiber Optical Instrument Fiber Sensor Fiber Laser	

Specifications

Stage	Single Grade		Dual Grade		
Grade	P	A	P	A	
Operating Wavelength (nm)	1064				
Bandwidth (nm)	±5				
Peak Isolation (dB)	40	38	55	52	
Isolation (at 23°C) (dB)	≥35	≥32	≥45	≥42	
Typ. Insertion Loss (at 23°C)	1.5	1.6	2.4	2.6	
Insertion Loss (at -5 ~ +70 °C)	≤1.8	≤2.0	≤3.2	≤3.4	
Extinction Ratio (dB)	Type 2 (Both of axis working)	≥20	≥18	≥20	≥18
	Type 1 (Fast axis blocked)	≥22	≥20	≥22	≥20
Return Loss (Input/Output) (dB)	≥50				
Power Handling (mW)	≤300				
Fiber Type	PM 980				
Operating Temperature (°C)	-5~+70				
Storage Temperature (°C)	-40 ~ +80				
Dimensions (mm)	φ5.5×L35				

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis

Package Dimensions



Ordering Information

PMIS	Type	Grade	Wavelength	Axis Alignment	Pigtail Type	Fiber Type	Length	Connector
	S=Single stage D=Dual Stage	P A	1064	1=Fast Axis Blocked 2=Both Axis Working	250=250um 900=900um loose tube	5=Panda fiber	0.8= 0.8m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other

詳しい問い合わせ：有限会社アミスター
〒146-0085 東京都大田区久が原1-5-7-302
TEL:03-6410-4277 FAX:03-6410-4278
E-mail:info@amistar.jp



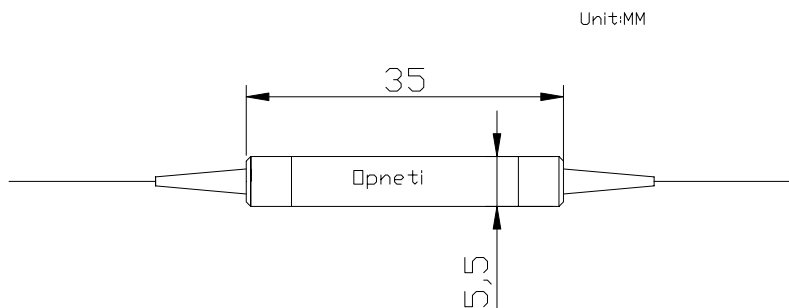
Polarization Maintaining Isolator (1310,1480,1550nm)

Specifications

Type Parameter		Single Grade		Dual Grade	
		P	A	P	A
Operating wavelength (nm)		1310,1480, 1550			
Bandwidth (nm)		±20			
Peak isolation (dB)		42	40	58	55
Isolation (at 23°C) (dB)		≥28	≥26	≥48	≥45
Typ. Insertion Loss (at 23°C)		0.4	0.5	0.5	0.6
Insertion Loss (at-5 ~ +70 °C)		≤0.55	≤0.65	≤0.65	≤0.80
Extinction Ratio (dB)	Type 2 (Both of axis working)	≥20	≥18	≥20	≥18
	Type 1 (Fast axis blocked)	≥25	≥23	≥25	≥23
Return loss (Input/Output) (dB)		≥55			
Power handling (mW)		≤300			
Fiber Type		PM Panda fiber			
Operating temperature (°C)		-5~+70			
Storage temperature (°C)		-40 ~ +80			
Dimensions (mm)		φ5.5×L35			

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis

Package Dimensions



Ordering Information

PMIS	Type	Grade	Wavelength	Axis Alignment	Pigtail Type	Fiber Type	Length	Connector
	S= Single stage D = Dual Stage	P A	1064 1310 1550	1=Fast Axis Blocked 2=Both Axis Working	250=250um bare fiber 900=900um loose tube 3000=3mm loose tube	5=Panda fiber	0.8= 0.8m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other



詳しい問い合わせ：有限会社アミスター
〒146-0085 東京都大田区久が原1-5-7-302
TEL:03-6410-4277 FAX:03-6410-4278
E-mail:info@amistar.jp

Polarization Maintaining Isolator-2000nm (2 μ m)

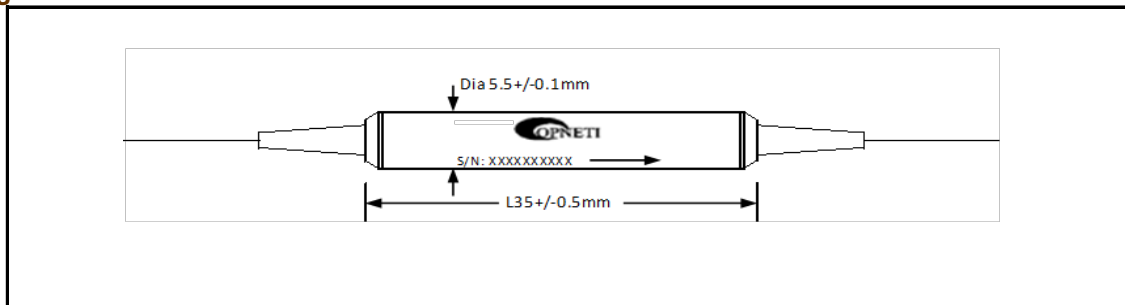
Specifications

Parameters	Unit	Single Stage	Dual Stage
Operating Wavelength	nm	1940, 2000, 2050, 2100	
Isolation, $\lambda_c \pm 50$ nm, 23 °C	dB	≥ 16	≥ 35
Insertion Loss, $\lambda_c \pm 20$ nm, All Temperature	dB	≤ 1.2	≤ 1.5
Extinction Ratio	dB	≥ 18	
Return Loss (Input/Output)	dB	≥ 50	
Power Handling	W	1, 2, 3	
Fiber Type		PM1550 or PM1950	
Operating Temperature	°C	-5 ~ +70	
Storage Temperature	°C	-40 ~ +85	
Dimensions	mm	$\phi 5.5 \times 35$	

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

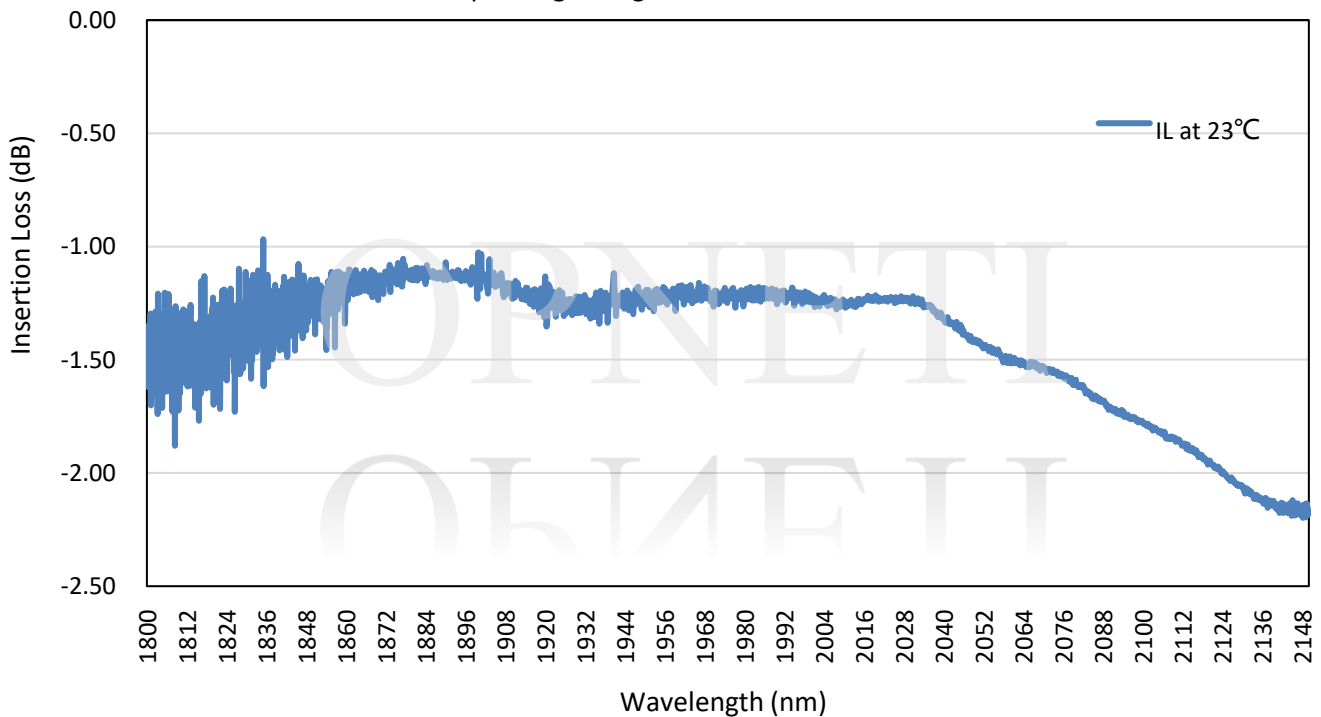
*The default connector key is aligned to slow axis.

Package Dimensions



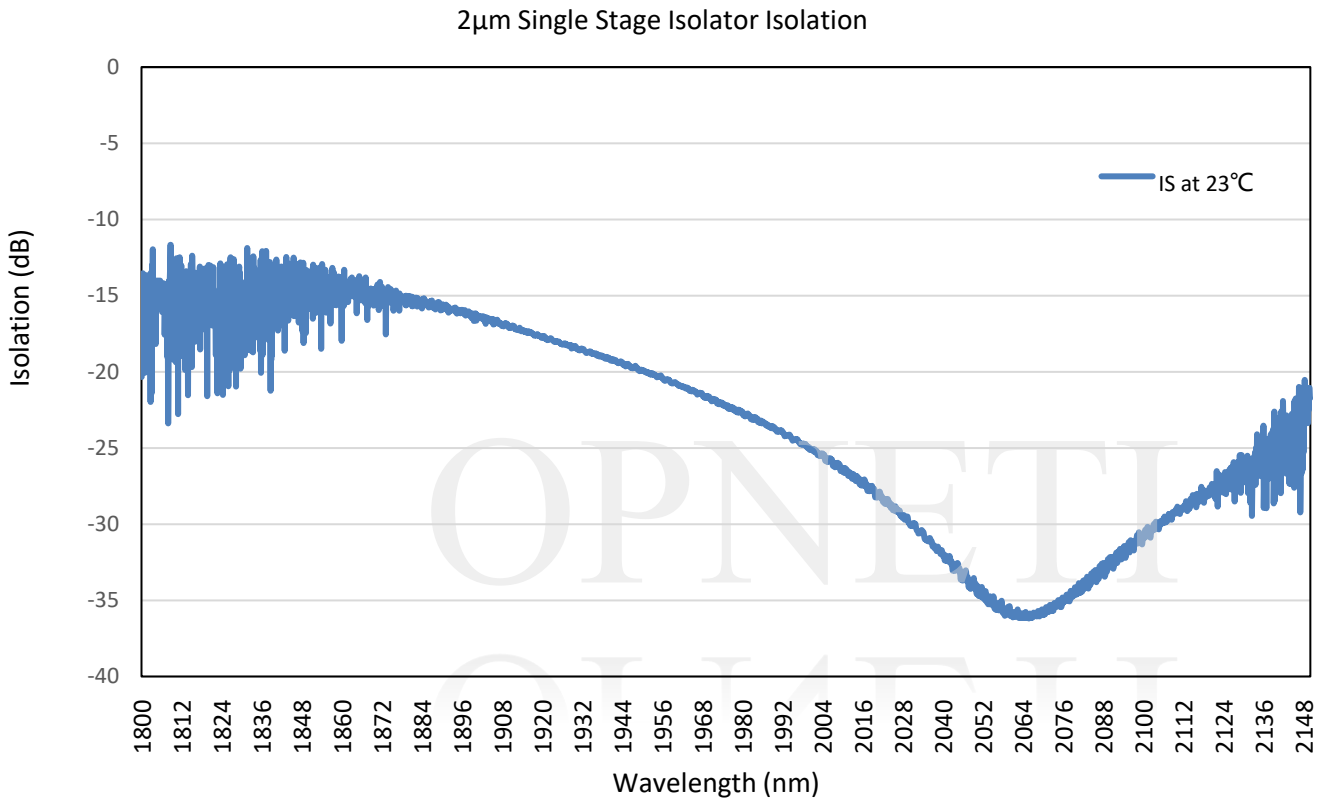
Spectrum

2 μ m Single Stage Isolation Insertion Loss





Polarization Maintaining Isolator-2000nm (2 μ m)



Ordering Information

PMIS ①-②②②②-③-④④④-⑤⑤⑤⑤⑤⑤-⑥-⑦⑦-⑧⑧

①	Type	S=Single Stage; D=Dual Stage;
②	Wavelength	1940; 2000; 2050; 2100;
③	Axis Alignment	F=Fast Axis Blocked; B=Both Axis Working;
④	Pigtail Type	250=250um Fiber; 900=900um Loose Tube;
⑤	Fiber Type	PM1550; PM1950;
⑥	Length	1=1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;
⑧	Power Handling	1W; 2W; 3W;



詳しい問い合わせ：有限会社アミスター
 〒146-0085 東京都大田区久が原1-5-7-302
 TEL:03-6410-4277 FAX:03-6410-4278
 E-mail:info@amistar.jp

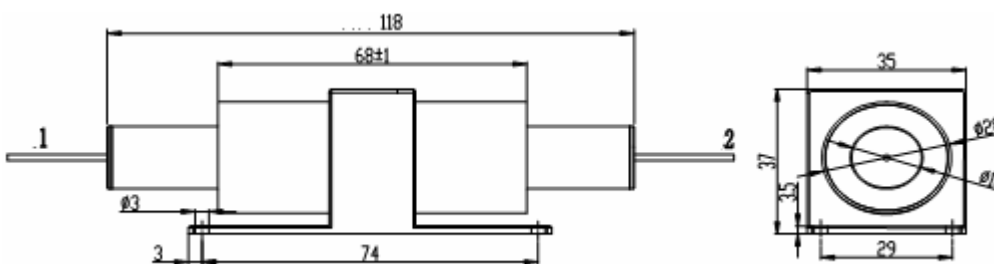


Polarization Insensitive Isolator(850nm)

Specifications

Parameter	Value
Center wavelength λ_c (nm)	850
Bandwidth(nm)	± 10
Peak isolation (dB)	32
Isolation at 23°C λ_c (dB)	≥ 25
Typ.Insertion Loss at 23°C(dB)	≤ 0.6
Insertion Loss at 23°C(dB)	≤ 1.0
PDL at 23°C(dB)	≤ 0.1
Return loss (Input/output) (dB)	$\geq 50/50$
Power handling (mW)	≤ 300
Fiber Type	HI780 Fiber
Operating temperature (°C)	0 ~ +60
Storage temperature (°C)	-20 ~ +75
Package(mm)	118x37x35

Package Dimensions:



Ordering Information

IS	Wavelength	Pigtail Type	Fiber Type	Length	Package size
	850	900=900um loose tube 3000=3mm loose tube	6=HI1780	0.8= 0.8m	118x37x35



詳しい問い合わせ：有限会社アミスター
 〒146-0085 東京都大田区久が原1-5-7-302
 TEL:03-6410-4277 FAX:03-6410-4278
 E-mail:info@amistar.jp

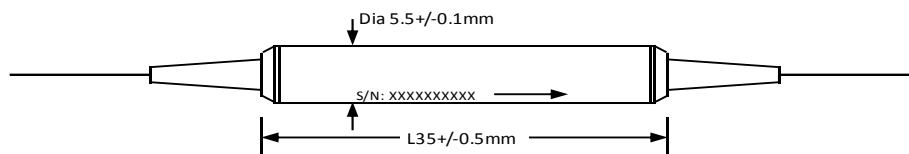


Polarization Insensitive Isolator

Specifications

Parameters	Unit	Single Stage		Dual Stage	
		Grade P	Grade A	Grade P	Grade A
Operating Wavelength	nm	1310; 1480; 1550; 1590			
Peak isolation	dB	42	40	58	55
Isolation ($\lambda c \pm 15\text{nm}$, 23°C all sop)	dB	≥ 28	≥ 26	≥ 48	≥ 45
Typ. IL ($\lambda c \pm 20\text{nm}$, 23°C all sop)	dB	0.35	0.4	0.4	0.6
Insertion Loss ($\lambda c \pm 20\text{nm}$, -5 ~ +70 °C all sop)	dB	≤ 0.50	≤ 0.70	≤ 0.55	≤ 0.90
PDL at 23°C	dB	≤ 0.05	≤ 0.1	≤ 0.1	≤ 0.15
PMD	ps	≤ 0.2	≤ 0.25	≤ 0.05	≤ 0.07
Return Loss	dB	$\geq 60/55$	$\geq 60/55$	$\geq 60/55$	$\geq 60/55$
Power Handling	mW	≤ 500			
Fiber Type		SMF-28e			
Operation Temperature	°C	-5 ~ +70			
Storage Temperature	°C	-40 ~ +85			
Dimensions	mm	$\phi 5.5 \times 35$			

Package Dimensions



Ordering Information

IS- ①-②-③③③③-④④④-⑤-⑥-⑦⑦-⑧⑧⑧⑧⑧⑧

①	Type	S=Single Stage; D=Dual Stage;
②	Grade	P=Grade P; A=Grade A;
③	Wavelength	1310; 1480; 1550; 1590;
④	Pigtail Type	250=250um Fiber; 900=900um Loose Tube; 3mm=3mm Loose Tube;
⑤	Fiber Type	1=SMF-28e;
⑥	Length	1=1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;
⑧	Package size	5.5x35;



詳しい問い合わせ：有限会社アミスター
 〒146-0085 東京都大田区久が原1-5-7-302
 TEL:03-6410-4277 FAX:03-6410-4278
 E-mail:info@amistar.jp

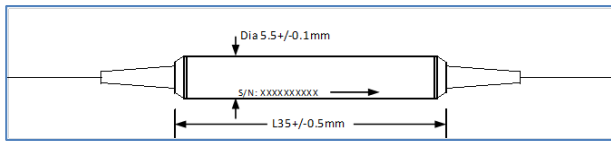


High Power Polarization Insensitive/Dependent Isolator-2300nm (2.3μm)

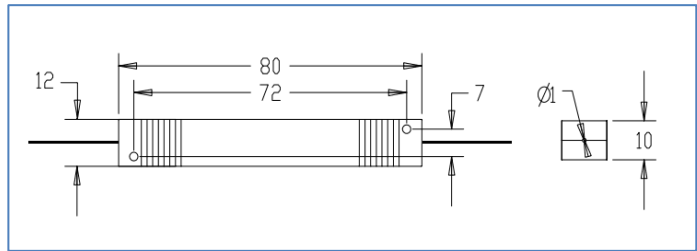
Specifications

Parameters	Unit	Single Stage	Dual Stage
Operating Wavelength	nm	2300±20	
Isolation, λc ± 50 nm, 23 °C All Polarization States	dB	≥16	≥35
Insertion Loss, λc ± 20 nm, 23 °C All Polarization States	dB	≤1.0	≤1.3
PDL (for Single Mode Fiber)	dB	≤0.15	≤0.2
Extinction Ratio (for PM Fiber)	dB	≥18	
Return Loss (Input/Output)	dB	≥50	
Power Handling	W	1, 2, 3, 5, 10	
Fiber Type		SMF-28e, SM1950, SM2000, PM1550, PM1950, 10/130DCF	
Operating Temperature	°C	-5 ~ +70	
Storage Temperature	°C	-40 ~ +85	
Dimensions	mm	φ5.5×35, 80x12x10	

Package Dimensions



for 1~5 W



for 6~10W

Ordering Information

IS- ①-②②②②-③-④④④-⑤-⑥-⑦⑦-⑧⑧-⑨⑨⑨⑨⑨

①	Type	S=Single Stage; D=Dual Stage;
②	Wavelength	2300;
③	Working Axis	1=Fast Axis Blocked; 2=Both Axis Working;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	1=SMF-28e; 9=SM1950; 0=SM2000; P5=PM1550; P9=PM1950; 10=F10/130DCF;
⑥	Fiber Length	1=1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;
⑧	Power Handling	1W; 2W; 3W; 5W; 10W;
⑨	Package Size	5.5x35; 80x12x10;



詳しい問い合わせ：有限会社アミスター
 〒146-0085 東京都大田区久が原1-5-7-302
 TEL:03-6410-4277 FAX:03-6410-4278
 E-mail:info@amistar.jp