

**POLARIZATION MAINTAINING (PM) 1310NM, 1480NM, AND 1550NM  
ISOLATOR**

**Specifications**

Parameter		Unit	Single Stage	Dual Stage
Central Wavelength		nm	1310,1480,1550	
Peak Isolation		dB	42	58
Isolation ( $\lambda_c$ , 23°C, all sop)	Min	dB	32	46
Insertion Loss ( $\lambda_c$ , 23°C, all sop)	Typ.	dB	0.4	0.5
Insertion Loss ( $\lambda_c$ , -20-60°C, all sop)	Max	dB	0.6	0.7
Extinction Ratio	Min	dB	20	20
Return Loss (Input/Output)	Min	dB	55/50	55/50
Package Dimension		mm	$\Phi$ 5.5 x L34	
Operation Temperature		°C	-5to 70	
Storage Temperature		°C	-40 to 85	

**Ordering Information**

PMIS	Type	Wavelength	Fiber Type	Fiber Length	Connector
PMIS	S=single stage D=dual stage	10=1064nm 13=1310nm 14=1480nm 15=1550nm CL=C+L band 18=1585nm  XX=Others	PMB=250um Panda fiber PMO=400um Panda PM fiber PML=Panda PM fiber with 900um loose tube XXX=Others	10=1.0m 15=1.5m 20=2.0m ..... 30=3.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=others

## POLARIZATION MAINTAINING (PM) 1590NM ISOLATOR

### Specifications

Parameter		Unit	Single Stage	Dual Stage
Central Wavelength		nm	1590	
Typ. Peak Isolation		dB	42	58
Isolation (23°C, $\lambda_c \pm 40\text{nm}$ , all sop)	Min	dB	20	42
Insertion Loss (23°C, $\lambda_c \pm 40\text{nm}$ , all sop)	Typ.	dB	0.5	0.6
Insertion Loss (23°C, $\lambda_c \pm 40\text{nm}$ , all sop)	Max	dB	0.6	0.7
Extinction Ratio	Min	dB	22	22
Return Loss (Input/Output)	Min	dB	55/50	55/50
Operation Temperature		°C	-5 to 70	
Storage Temperature		°C	-40 to 85	

### Ordering Information

PMIS	Type	Wavelength	Fiber Type	Fiber Length	Connector
PMIS	S=single stage	10=1064nm	PMB=250um Panda fiber	10=1.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=others
	D=dual stage	13=1310nm 14=1480nm 15=1550nm CL=C+L band 18=1585nm  XX=Others	PMO=400um Panda PM fiber PML=Panda PM fiber with 900um loose tube XXX=Others	15=1.5m 20=2.0m ..... 30=3.0m	

## POLARIZATION MAINTAINING (PM) 1064NM ISOLATOR

### Specifications

Parameter		Unit	Single Stage	Dual Stage
Central Wavelength		nm	1064	
Peak Isolation		dB	38	55
Isolation ( $\lambda_c$ , 23°C, all sop)	Min	dB	32	45
Insertion Loss ( $\lambda_c$ , 23°C, all sop)	Typ.	dB	1.5	3.0
Insertion Loss ( $\lambda_c$ , -20~60°C, all sop)	Max	dB	2.0	3.4
Extinction Ratio	Min	dB	20	20
Return Loss (Input/Output)	Min	dB	55/50	50/50
Operation Temperature		°C	-5to 70	
Storage Temperature		°C	-40 to 85	

### Ordering Information

PMIS	Type	Wavelength	Fiber Type	Fiber Length	Connector
PMIS	S=single stage	10=1064nm	PMB=250um Panda fiber	10=1.0m	NE=None
	D=dual stage	13=1310nm 14=1480nm 15=1550nm CL=C+L band 18=1585nm  XX=Others	PMO=400um Panda PM fiber PML=Panda PM fiber with 900um loose tube XXX=Others	15=1.5m 20=2.0m ..... 30=3.0m	FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=others