



# Telecom Wavelength PM Isolator

## FEATURES

- High Isolation
- Low Insertion Loss
- High Return loss
- High Extinction Ratio
- Epoxy Free Optical Path

## APPLICATION

- Fiber optic Amplifiers
- CATV Fiber optic Links
- Fiber optic Systems Testing
- Fiber optic LAN Systems
- Telecommunications

## PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
Operating Wavelength	1310,1550,1585 or Custom	
Stage	Single	Dual
Grade	P	P
Typical Peak Isolation	42dB	58dB
Minimum Isolation*	≥32dB	≥46dB
Typical Insertion Loss**	0.40dB	0.50dB
Insertion Loss***	≤0.55dB	≤0.65dB
Return Loss (In/Out)	≥55/50dB	
Extinction Ratio****	≥20dB	
Bandwidth	±15nm	
Optical Power	≤ 500mW	
Operating Temperature	-5 to +70°C	
Storage Temperature	-40 to +85°C	
Package Type	Standard	
Package Dimensions	A=Standard, Ø 5.5 x L34 (50mm including rubber tubes)	

Note: \* Overall bandwidth at 23°C

\*\* Does not include connector, splice and fiber-end Fresnel losses.

\*\*\* Including PDL, operating wavelength range, -20° C to +70° C.

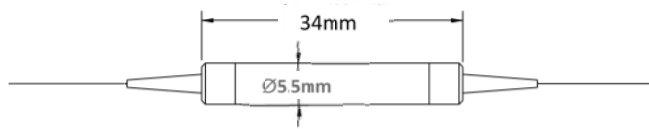
\*\*\*\* ER will be 2dB less with connectors.

All values referenced are without connector.

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### MECHANICAL DIMENSIONS

A Package



### PORT CONFIGURATIONS



### ORDERING INFORMATION

Type	Operating Wavelength	Grade	Package	Fiber Type	Pigtail Style	Fiber Length	In Connector	Out Connector	Working axis
PMIS=Single stage	31=1310nm	P=P grade	A=A package	M=PM1310	1=Bare fiber	07=0.75m	0=None	0=None	S=Slow axis working
PMIU=Dual stage	55=1550nm			N=PM1550	2=900um loose tube	10=1.0m	1=FC/APC	1=FC/APC	F=Fast axis working
	58=1585nm			S=Custom			2=FC/PC	2=FC/PC	B=Both axes working
	SS=Custom						3=SC/APC	3=SC/APC	
							4=SC/PC	4=SC/PC	
							5=ST	5=ST	
							6=LC/UPC	6=LC/UPC	
							7=LC/APC	7=LC/APC	