acphotonics

RoHS COMPLIANT

Telecom Wavelength PM Isolator

FEATURES

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

APPLICATION

Fiberoptic Amplifiers
CATV Fiberoptic Links
Fiberoptic Systems Testing
Fiberoptic 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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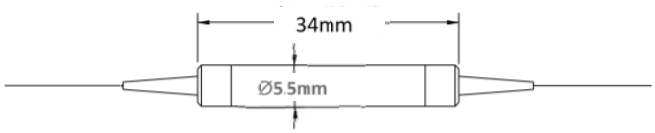
MECHANICAL DIMENSIONS

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 PMIU=Dual stage	31=1310nm 55=1550nm 58=1585nm SS=Custom	P=P grade	A=A package	M=PM1310 N=PM1550 S=Custom	1=Bare fiber 2=900um loose tube	07=0.75m 10=1.0m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC	S=Slow axis working F=Fast axis working B=Both axes working

*Other length is available upon request, However, 900µm loose tube is only up to 2m.