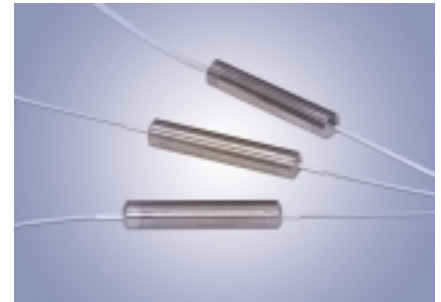




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Polarization Maintaining Tap Isolators

The Polarization Maintaining (PM) Tap Isolator allows light to travel through a fiber in one direction only. It minimizes back reflection and back scattering in the reverse direction for any state of polarization. The device has an epoxy-free optical path and provides high return loss, high extinction ratio, high isolation with low insertion loss over a wide wavelength range and excellent environmental stability and reliability.



Types

- Polarization Maintaining Tap Isolators
 - Single Stage
- 1047/1064nm Central Wavelength

Applications

- DWDM Systems
- Fiber Optic Sensors
- EDFAs
- CATV
- Laser Diode Package

Features

- High Power
- High Isolation
- Low Insertion Loss
- High Extinction Ratio
- High Return Loss
- Environmentally Stable



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SPECIFICATIONS

Polarization Maintaining Tap Isolator (1064nm)

Parameter	Single Stage	Units
Center Wavelength	1064	nm
Operating Bandwidth	+/-5	nm
Min. Isolation at 1064 +/-10nm (Output->Input)	30	dB
Max. Pass Channel Insertion Loss (Input->Output)	2.2	dB
Tap Port Ratio (Input->Tap)	2+/-0.5	%
Min. Return Loss	50	dB
Min. Extinction Ratio (Input->Output)	22	dB
Handling Power	250	mW
Fiber Type	PM980 Panda Fiber	--
Tensile Load	5	N
Operating Temperature	-5 to +50	°C
Storage Temperature	-40 to +85	°C

*Above specifications are for device without connectors.

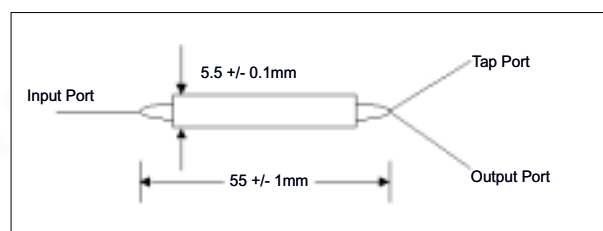
*Fast axis is blocked for the above device

Polarization Maintaining Tap Isolator (1047nm)

Parameter	Single Stage	Units
Center Wavelength	1047	nm
Operating Bandwidth	+/-5	nm
Min. Isolation at 1047 +/-10nm (Output->Input)	22	dB
Max. Pass Channel Insertion Loss (Input->Output)	3.2	dB
Tap Port Ratio (Input->Tap)	2+/-0.5	%
Min. Return Loss	50	dB
Min. Extinction Ratio (Input->Output)	22	dB
Handling Power	100	mW
Fiber Type	PM980 Panda Fiber	--
Tensile Load	5	N
Operating Temperature	-5 to +50	°C
Storage Temperature	-40 to +85	°C

*Above specifications are for device without connectors.

*Fast axis is blocked for the above device



ORDERING CODES

OLISO - P - [] - [] - [] - []

Type and Wavelength	Code
Single Stage 1047 nm	ST104
Single Stage 1064 nm	ST106

Handling Power	Code
100mW	100
250mW	250

Fiber Diameter	Code
250 μm	25
900 μm	90
3 mm	3

Connector Type	Code
No Connector	NC
FC/UPC	FU
SC/UPC	SU
FC/APC	FA
SC/APC	SA
Others	XX

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