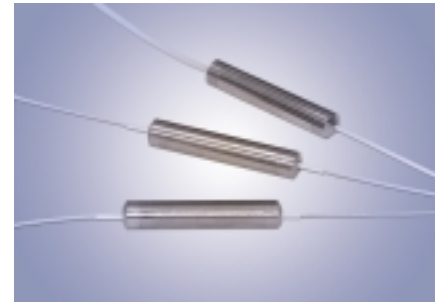




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Polarization Maintaining Tap Isolators

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 / Dual Stage
- 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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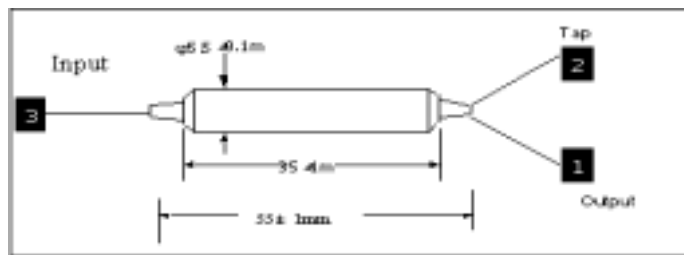
SPECIFICATIONS

Polarization Maintaining Tap Isolator (1064nm)

Parameter	Single Stage	Units
Center Wavelength	1064	nm
Operating Bandwidth	+/-5	nm
Min. Isolation at 1064 +/-10nm	30	dB
Max. Pass Channel Insertion Loss	2.3	dB
Tap Port Ratio	2+/-0.5 or 5+/-1.0	%
Min. Return Loss	50	dB
Min. Extinction Ratio	22	dB
Handling Power	250	mW
Fiber Type	PM980 Panda Fiber for Input & Output Port, HI1060 Fiber for Tap Port	
Tensile Load	5	N
Operating Temperature	-5 to +50	°C
Storage Temperature	-40 to +85	°C
Package Dimensions	Ø5.5 x 55	mm

*Above specifications are for device without connectors.

MECHANICAL DRAWING



ORDERING CODES

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

Type and Wavelength	Code
Single Stage 1064 nm	ST106

Handling Power	Code
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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