Polarization Maintaining Isolator

FEATURES:
- High isolation
- Low insertion loss
- High extinction ratio
- Excellent stability and reliability

APPLICATIONS:
- Amplifiers
- Fiber lasers
- Optical fiber sensors
- Optical test instrumentation

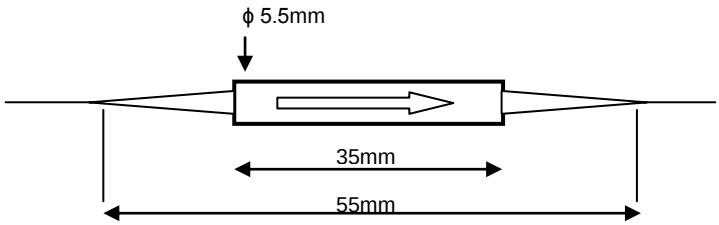
The polarization maintaining isolator is a micro-optic device with PMF input and output fibers. It offers high isolation properties for applications in telecommunications, fiber optic sensing, bio-medical, and photonics research.

SPECIFICATION					
		Single stage	Dual stage	Single stage	Dual stage
Centre wavelength	nm	1064		1310, 1440, 1550	
Operating bandwidth	nm	±5		±5	
Insertion loss	dB	2	3	0.6	0.7
Extinction ratio	dB	20 (Type B) 23 (Type F)		20 (Type B) 25 (Type F)	
Isolation	dB	30	45	30	45
Return loss (in/out)	dB	55/50		55/50	
Power handling	mW	300		500	
Fibre type		PM Fibre			
Operating temperature	°C	-5 to +50		-5 to +70	
Storage temperature	°C	-40 to +85			
Dimensions	mm	ϕ5.5 x L35			

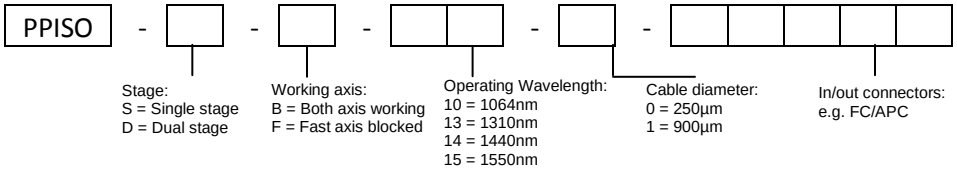
Notes:

* Type B = Both axis working. Type F = Fast axis blocked. ** PM connector aligned to slow axis
*** Specification is shown for devices without connectors. Add 0.3dB for IL, 5dB for RL and 2dB for ER with connectors.

PACKAGE STYLE:



PRODUCT ORDERING INFORMATION:



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