

PM Fused WDM

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Product Overview

Polarization-maintaining fused WDM for combining or separating common pump and signal wavelength pairs in test, communication, amplifier and sensing systems.

Features	Applications
High extinction ratio; High isolation; Low insertion loss;	Test instruments; Coherent communication systems;
High stability and reliability	Erbium-doped fiber amplifiers; Fiber sensors

Technical Specifications

For configuration selection and quotation, use the Component Finder at www.kernsoptic.com/contacts. Final special configurations are subject to engineering review.

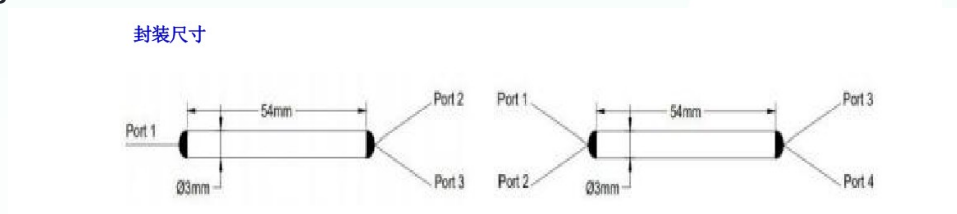
Parameter	Unit	980/1064	980/1550	1064/1550	793/2000	1550/2000
Operating Bandwidth	nm	±15	±15	±15	±15	±15
Max. IL - Signal	dB	0.8	0.7	0.7	0.7	0.7
Max. IL - Pump	dB	0.8	0.7	0.7	0.7	0.7
Min. Extinction Ratio	dB	18	20	20	18	18
Min. Isolation	dB	13	18	18	13	13
Package Dimensions	mm	dia.3 x 70	dia.3 x 54	dia.3 x 54	dia.3 x 60	dia.3 x 60

Shared Specifications

Parameter	Specification	Unit
Min. Directionality	55	dB
Min. Return Loss	50	dB
Max. Optical Power (CW)	3	W
Fiber Type	PM Panda fiber	-
Operating Temperature	-5 to +75	°C
Storage Temperature	-40 to +85	°C

With connectors, IL increases by 0.3 dB, RL decreases by 5 dB and ER decreases by 2 dB. Connector key is aligned to the slow axis.

Package Dimensions



Fused WDM package drawings from the KernsTech master catalog. Package length depends on wavelength pair.