

PM Filter WDM

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Product Overview

Polarization-maintaining filter WDM for wavelength combining and separation in CATV, WDM modules, EPON/GPON and related fiber systems.

Features	Applications
Low insertion loss; High return loss; High stability and reliability	CATV system; WDM module; EPON and GPON network

Technical Specifications

For configuration selection and quotation, use the Component Finder at www.kernsoptic.com/contacts. Select the wavelength, optical power, fiber, connector and other requirements online before requesting a quote.

Parameter	Unit	1064/980	1550/980	1550/1064	1550/1480	2000/1550
Transmission Wavelength	nm	1020-1080	1520-1580	1520-1580	1535-1565	1950-2050
Reflection Wavelength	nm	960-990	960-990	1020-1080	1480±10	1570±10
Max. IL - Transmission	dB	0.8	0.7	0.8	0.8	0.8
Max. IL - Reflection	dB	0.6	0.5	0.6	0.6	0.8
Min. Tx Isolation @ Reflection	dB	25	30	25	25	25
Min. Ref Isolation @ Transmission	dB	15	15	15	15	12

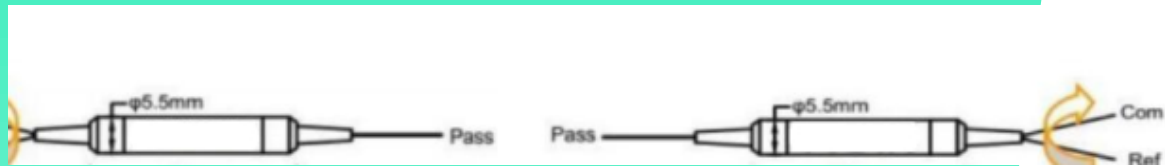
Shared Specifications

Parameter	Specification	Unit
Max. Channel Flatness	0.4	dB
Min. Extinction Ratio @ 23°C	18	dB
Max. Wavelength Thermal Stability	0.003	nm/°C
Max. Insertion Loss Thermal Stability	0.005	dB/°C
Min. Return Loss	50	dB
Max. Power Handling (CW)	500	mW
Max. Tensile Load	5	N
Operating Temperature	0 to +70	°C
Storage Temperature	-40 to +85	°C

Note: With connectors, power handling is limited to 1 W; insertion loss increases by 0.3 dB, return loss decreases by 5 dB, and extinction ratio decreases by 2 dB. Connector key is aligned to the slow axis.



Package Dimensions



Standard tube size shown: dia. 5.5 mm x 35 mm.