

20W High Power WDM / Optical Filter

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Product Overview

High-power WDM / filter for CATV, WDM modules and EPON/GPON networks, with wavelength combinations from 1064/980 nm through 2000/1550 nm.

Features	Applications
Low insertion loss; High return loss; High stability and reliability	CATV systems; WDM modules; EPON / GPON networks

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	1064/980	1550/980	1550/1064	1550/1480	2000/1550
Pass Band (nm)	1020-1080	1520-1580	1520-1580	1535-1565	1950-2050
Reflect Band (nm)	960-990	960-990	1020-1080	1480±10	1570±10
Max. IL Pass (dB)	0.8	0.7	0.8	0.8	0.8
Max. IL Reflect (dB)	0.6	0.5	0.6	0.6	0.8
Min. Pass Isolation (dB)	25	30	25	25	25
Min. Reflect Isolation (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. IL Thermal Stability	0.005	dB/°C
Min. Return Loss	50	dB
Max. Optical Power (CW)	1, 3, 5, 10, 20 or specified	W
Max. Tensile Load	5	N
Operating Temperature	0 to +70	°C
Storage Temperature	-40 to +85	°C

With connectors, handling power is limited to 1 W; IL increases by 0.3 dB, RL decreases by 5 dB and ER decreases by 2 dB.

Package Dimensions



Catalog package drawing. Standard catalog selection includes dia. 5.5 x 35 mm (≤5 W) or 70 x 12 x 8 mm.