

20W High Power PM Fused WDM

Kerns Technology | www.kernsoptic.com | Email: jenny@kernsoptic.com

Product Overview

High-power polarization-maintaining fused WDM for coherent communication, EDFA, sensing and test systems, with CW power up to 20 W.

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

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	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. ER (dB)	18	20	20	18	18
Min. Isolation (dB)	13	18	18	13	13

Shared Specifications

Parameter	Specification	Unit
Min. Directionality	55	dB
Min. Return Loss	50	dB
Max. Optical Power (CW)	5, 10, 20 or specified	W
Max. ns Pulse Peak Power	10 or specified	kW
Fiber Type	PM Panda fiber	-
Package Dimensions	70 x 12 x 8	mm
Operating Temperature	-5 to +75	°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



Mechanical package drawing from the KernsTech master catalog.