

532-2050nm 1x2 / 2x2 PM Fused Coupler

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Product Overview

Polarization-maintaining fused fiber coupler covering visible through 2 μm wavelength ranges for coherent communication, power monitoring and sensing.

Features	Applications
Available from 532 to 2100 nm; Low insertion loss; High stability and reliability	Coherent communication systems; Power monitoring; 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	1950-2050	1310/1550	980/1030/1064	780/808/850	532/633
Operating Bandwidth (nm)	± 15	± 15	± 10	± 10	± 5
Max. Excess Loss (dB)	0.8	0.5	0.6	0.8	1.4
Min. Extinction Ratio (dB)	16	20	20	20	18

Shared Specifications

Parameter	Specification	Unit
Min. Directionality	50	dB
Min. Return Loss	50	dB
Max. Optical Power (CW)	3 (300 mW for 532/633 nm)	W
Fiber Type	PM Panda fiber	-
Package Dimensions	dia. 3 x 54	mm
Operating Temperature	-5 to +75	$^{\circ}\text{C}$
Storage Temperature	-40 to +85	$^{\circ}\text{C}$
Available Split Ratio	1/99 to 50/50	-

Catalog split-ratio tolerance ranges from $\pm 0.3\%$ at 1% tap to $\pm 3.0\%$ at 50/50. With connectors, handling power is limited to 1 W.

Package Dimensions

封装尺寸



1x2 / 2x2 routing and package drawing from the KernsTech master catalog.