

Mini Size PM WDM

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

Product Overview

Miniature PM WDM for compact DWDM modules, DWDM systems, GPON and CATV links.

Features	Applications
Low insertion loss; High return loss; High isolation; High stability and reliability	DWDM modules; DWDM systems; GPON networks; CATV links

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	0698	5598	5506	5548
Pass Wavelength (nm)	1020-1080	1520-1580	1520-1580	1535-1565
Reflect Wavelength (nm)	960-990	960-990	1020-1080	1480±10
Max. IL Pass (dB)	0.8	0.7	0.8	0.8
Max. IL Reflect (dB)	0.6	0.5	0.6	0.6
Min. Pass Isolation (dB)	25	30	25	25
Min. Reflect Isolation (dB)	15	15	15	15

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)	500	mW
Package Dimensions	dia. 3.2 x 30	mm
Com & Pass Fiber	PM Panda fiber	-
Ref Fiber	PM Panda or SM fiber	-
Operating Temperature	0 to +70	°C
Storage Temperature	-40 to +85	°C

Package Dimensions



Backward

Signal Route: Com to Pass

Forward

Signal Route: Pass to Com

Backward and forward signal / pump routing plus miniature package drawing from the KernsTech master catalog.