

PM DWDM

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

Product Overview

KernsTech PM DWDM for DWDM module; DWDM system; GPON network; CATV router. Technical values are manually checked against the master catalog and English translation reference.

Features	Applications
Low Insertion Loss; High Return Loss; High Isolation; High stability and reliability	DWDM module; DWDM system; GPON network; CATV router

Technical Specifications

Parameter	Specification	Unit
Channel Spacing	50 / 100 / 200 / 400	GHz
Center Wavelength	ITU Grid	nm
Center Wavelength Accuracy	± 0.05 / ± 0.05 / ± 0.1 / ± 0.2	nm
Channel Passband (@-0.5dB)	0.2 / 0.22 / 0.5 / 1.05	nm
Max.Insertion Loss - Transmission Channel	1 / 1 / 0.9 / 0.8	dB
Reflection Channel	0.4 / 0.4 / 0.4 / 0.4	dB
Min. Isolation - Adjacent Channel	30 / 30 / 30 / 30	dB
Non-Adjacent Channel	40 / 40 / 40 / 40	dB
Reflection Channel	12 / 12 / 12 / 12	dB
Max. Channel Flatness	0.3	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
Fiber Type	PM Panda fiber	
Operating temperature	0~+70	°C
Storage temperature	-40~+85	°C
Package Dimensions	dia. 5.5 x 35	mm

For wavelength, fiber, connector, package and quotation configuration, use the Component Finder at www.kernsoptic.com/contacts. Final special configurations are subject to engineering review.

For device with connector, the power handling is only 1W, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis. / / Package Dimensions

Package Dimensions

最小回波损耗	dB	0.005
最大可承受功率 (CW)	mW	500
光纤类型		PM Panda fiber
工作温度	°C	0~+70
储存温度	°C	-40~+85

使用连接器时，处理功率仅为1W,插损高0.3dB, 回损低5dB, 消光比低2dB. 连接器键与慢轴对齐。

封装尺寸

