

PM CWDM Module

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Product Overview

KernsTech PM CWDM Module for DWDM System; GPON Network; CATV Router. Technical values are manually checked against the master catalog and English translation reference.

Features Low Insertion Loss; High Return Loss& High Isolation; Good channel-to-channel consistency; High stability and reliability	Applications DWDM System; GPON Network; CATV Router
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Technical Specifications

Parameter	Specification	Unit
Channel Number	1x4 / 1x8 / 1x16 / 1x18	-
Center Wavelength	ITU or ITU+1	nm
Operating Wavelength	1260-1460 / 1460-1620 / 1260-1620	nm
Channel Spacing	20	nm
Channel Passband (@ -0.5 dB)	±6.5 / 7.5	nm
Max. Channel Flatness	0.4	dB
Max. Insertion Loss - Mux to Demux (Link)	1.9 / 2.7 / 4.2 / 4.5	dB
Min. Isolation - Adjacent Channel	30 / 30 / 30 / 30	dB
Min. Isolation - Non-Adjacent Channel	40 / 40 / 40 / 40	dB
Min. Isolation - Upgrade Channel	12 / 12 / 12 / 12	dB
Min. Return Loss	50	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
Max. Power Handling (CW)	500	mW
Operating Temperature	0 to +70	°C
Storage Temperature	-40 to +85	°C
Package Options	100 x 80 x 10 / 120 x 80 x 18 / 140 x 140 x 10	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

最大波长热稳定性	nm/°C	0.003
最大插损热稳定性	dB/°C	0.005
最大可承受功率 (CW)	mW	500
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

