

PM CWDM

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Product Overview

KernsTech PM CWDM for CWDM system; CWDM/OADM module; CWDM/OADM network. Technical values are manually checked against the master catalog and English translation reference.

Features Low Insertion Loss & High Isolation; High Return Loss; High Stability & Reliability; Wide Transmission Width	Applications CWDM system; CWDM/OADM module; CWDM/OADM network
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Technical Specifications

Parameter	Specification	Unit
Center Wavelength	ITU or ITU+ 1	nm
Operating wavelength	1260~ 1460 or 1460~ 1620 or 1260~ 1620	nm
Channel Spacing	20	nm
Min. Channel Bandwidth@λ c	±6.5/7.5	nm
Max. Channel Flatness	0.4	nm
Max.Insertion Loss - Transmission Channel	0.6	dB
Reflection Channel	0.4 (1260~ 1460 or 1460~ 1620)or 0.6(1260~ 1620)	dB
Min. Isolation - Adjacent Channel	30	dB
Non-Adjacent Channel	40	dB
Reflection Channel	12	dB
Directionality	55	dB
Min. Return Loss	50	dB
Min. Extinction Ratio@23°C	20	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~+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

最小消光比@23°C	dB	20
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

Package / routing drawing extracted from KernsTech master catalog page 33. Final package is confirmed during Engineering Review.