

Optical Filter

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Product Overview

KernsTech Optical Filter for Fiber Optical Laser; Test Instrument; Fiber Sensors; Erbium-doped Optical Fiber Amplifier. Technical values are manually checked against the master catalog and English translation reference.

Features

Low Insertion Loss; High Return Loss; High Extinction Ratio; High stability and reliability

Applications

Fiber Optical Laser; Test Instrument; Fiber Sensors; Erbium-doped Optical Fiber Amplifier

Technical Specifications

Parameter	Specification	Unit
Center Wavelength	1550, 1064, 1030 or Specified	nm
Min. Channel Bandwidth(@-0.5dB)	2, 5, 8, 15 or Specified	nm
Min. Cutoff Bandwidth (@-25dB)	Specified	nm
Max. Insert loss@ channel	0.8	dB
Min. Extinction Ratio 23°C(PM Fiber Type)	20	dB
Max. Polarization Dependent Loss@23°C(Single Mode Fiber Type)	0.15	dB
Min. Return Loss	50	dB
Max. Power Handling (CW)	0.5, 1, 5, 10, 20 or Specified	W
Max.ns pulse peak power	10 or Specified	kW
Max.Tensile Load	5	N
Operating temperature	0 ~ +70	°C
Storage temperature	-40~ +85	°C
Package Options	dia. 5.5 x 35 / 70 x 12 x 8	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.

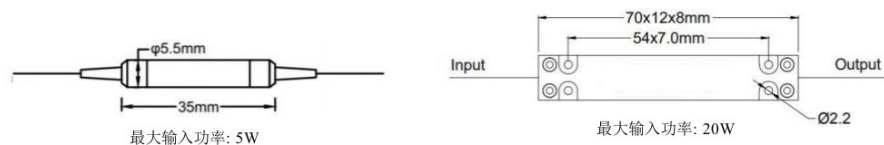
For device with connector, the power handling is only 1W, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis. / / Package Dimensions

Package Dimensions

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 30. Final package is confirmed during Engineering Review.