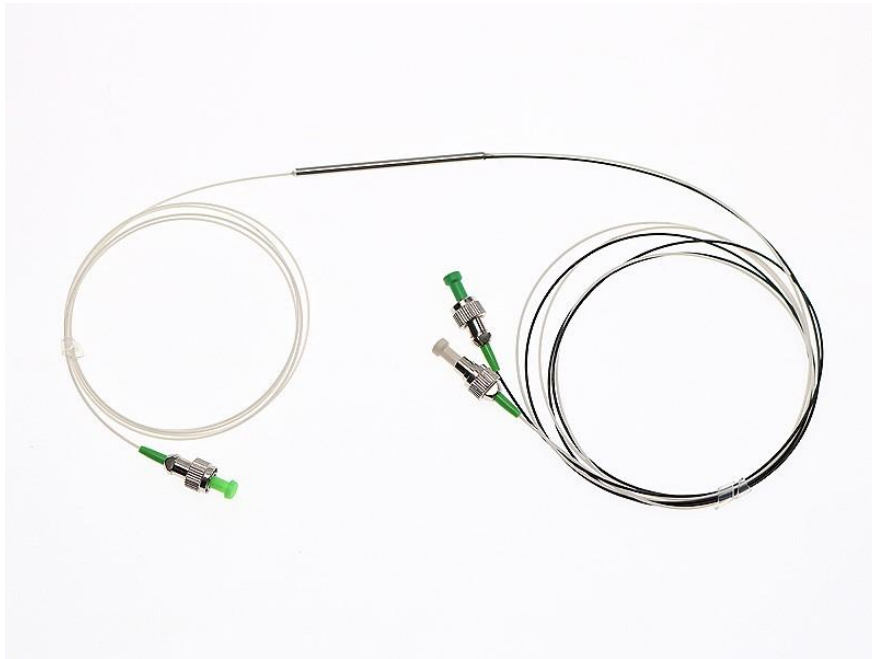


1550nm Transmissive Fiber Filter



● Product Description

Idealphotonics' fiber filters use a special fiber structure to select or filter out specific wavelengths of light from different wavelengths. We can provide filter devices with different optical power versions according to user needs, which can be used in dense wavelength division multiplexing fiber communications, frequency division multiplexing fiber communications, spectrum testing, fiber sensors, fiber lasers and fiber amplifiers. If you need to customize the center wavelength, operating temperature or specific working bandwidth, please contact us for customization.

● Part Number

BPF-1550.12-100G-1-2-L-1

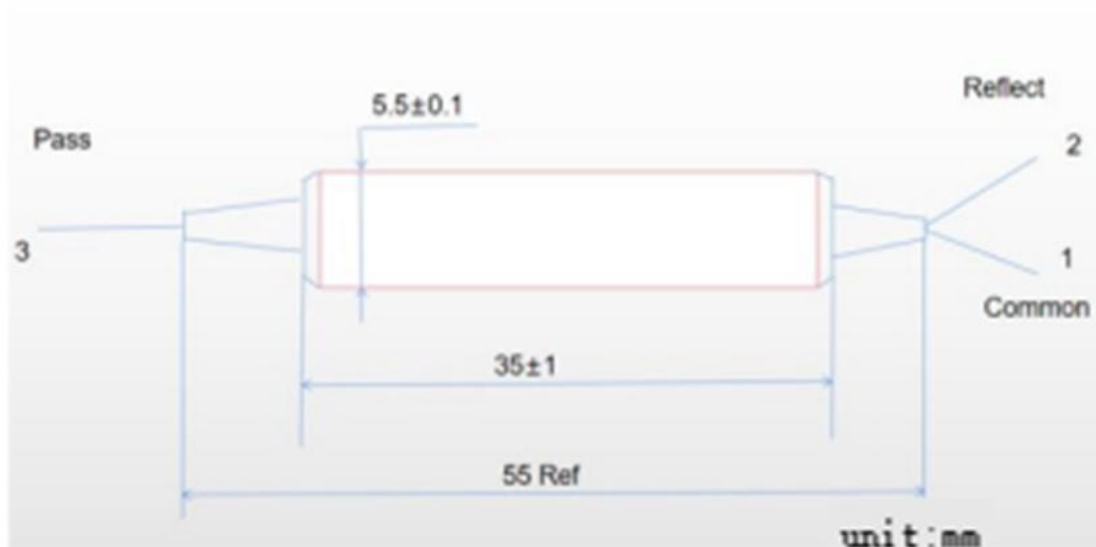
● Product features

Low insertion loss、 High operating power、 Stable operating characteristics

● Application area

Fiber amplifier、WDM & DWDM systems、Fiber optic equipment、Fiber laser

Dimensional Drawing



Note: The Common terminal has a black mark

Parameters

Parameter	Indication
Filter type	100GHz
Passband wavelength	1550.12nm
Passband bandwidth	$\pm 0.11\text{nm}$
Maximum insertion loss (Common-Pass) ;+0.3dB connection loss	1.3db
Minimum passband isolation (Common-Pass)	25dB
Maximum insertion loss(Common-Reflect) , +0.3dB connection loss	0.8dB
Minimum reflection band isolation (Common-Reflect)	12db
Minimum optical return loss,-5dB connection loss	45dB
Minimum directivity	45dB
Max. PDL(Common-Pass/Common-Reflect)	0.1dB
Maximum thermal stability	0.005dB/°C
Connector type	FC/APC

Fiber type	900um loose tube SMF28e
Fiber length	1m
Maximum optical power (CW)	500mW
Maximum tensile strength	5N
Operating temperature	-5 to +70°C
Storage temperature	-40 to +85°C

100G filter 3db bandwidth update 0.8nm spectrum

