

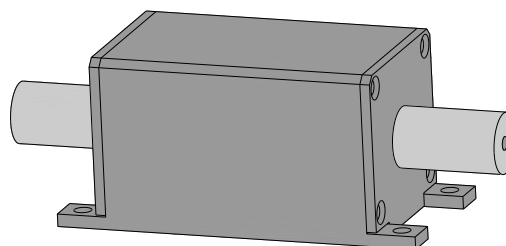
High Power In-line Isolator with BPF

Description

It is a high power isolator attached a band pass filter; filter the ASE from forward or backward. They're characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. They are ideal for fiber laser and instrumentation applications.

Key Features

- * High isolation and low insertion loss
- * PM and Non-PM are available
- * Excellent environmental stability and reliability
- * Fiber can be customized



Applications

- * Fiber Laser
- * Fiber Sensor

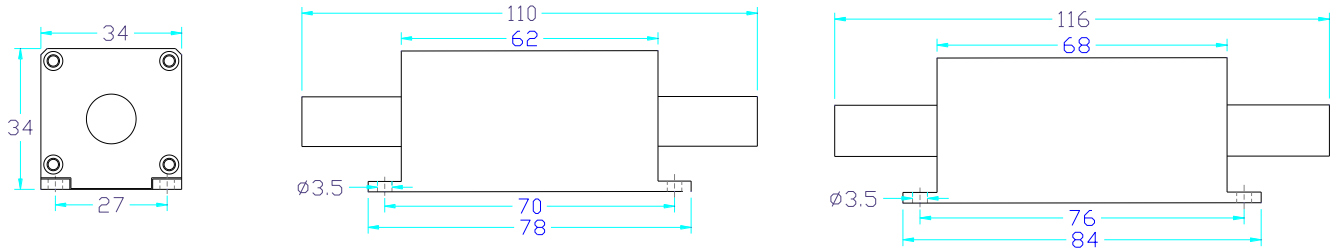
Specifications

Parameter	Type	10 W In-line isolator+BPF					
		CW ±10	CW ±7	CW ±5	CW ±4	CW ±2	CW ±1
Center wavelength(CW, nm)		1030 1062 or 1064					
Pass bandwidth@0.5dB from peak (nm)		≥20	≥14	≥10	≥8	≥4	≥2
Pass bandwidth@-20dB from peak (nm)		≤35	≤30	≤25	≤25	≤12	≤8
Typ. peak isolation at operating wavelength (dB)		≥35					
Isolation at CW ±5nm (dB)		≥28					
Insertion loss at CW 23°C (dB)		≤1.5					
Extinction ratio for PM type (dB)		≥18(B) , ≥20(F)					
Return loss (Input/Output) (dB)		≥50					
Fiber type		HI1060, SM98-PS-U25D-H, etc.					
Input max. power handling	Average (W)	10					
	Pulse peak(kW)	10					
Operating temperature (°C)		-5 ~ +50					
Storage temperature (°C)		-20 ~ +70					
Dimensions (L×W×H)(mm)		110*34*34(CW=103x) or 116*34*34(CW=106x)					

*F type: Slow axis working and fast axis blocked; B type: both axes working.

*For DCF fiber, the ER is 2dB lower

Mechanical Dimensions (Unit: mm)



Ordering Information

HP(M)IITB-X-X-XX-X-X-X-X(XX) -X*X*X- X

