



# Edge Filter /Isolator Hybrid Combination

AC Photonics' Edge pass Filter/Isolator Hybrid component utilizes thin film coating technology and proprietary designed metal bonding micro optics packaging to achieve optical signal and pump power combining and back reflection signal elimination. It provides , low insertion loss, high isolation, wide pass band, low temperature sensitivity and epoxy free optical path . It can be used for EDFA application.



## Features

- Wide Operating Wavelength Range
- Low Insertion Loss
- High Channel Isolation
- Ultra Low PDL & PMD
- High Stability and Reliability
- Epoxy Free Optical Path

## Applications

- EDFA
- DWDM Network
- Wavelength Routing
- Fiber Optical Instrument
- CATV Fiber optic System

## Performance Specifications

Parameter	Single Stage	Dual Stage
Pass Channel Wavelength Range (nm)	1530~1565	
Rejection Channel Wavelength Range (nm)	1450~1490	
Isolation (dB) ( 1550±15nm, @RT, and all SOP)	≥31	≥45
Pass Channel Insertion Loss (dB)	≤0.8 (Typ. 0.6)	≤1.0 (Typ. 0.8)
Rejection Channel Isolation (dB)	≥30	
Wavelength Dependent Loss (dB)	≤0.3	≤0.4
Return Loss (dB)	≥55	
Insertion Loss Temperature Sensitivity (dB/°C)	≤0.003	
PDL (dB)	≤0.1(Typ. 0.05)	
PMD (ps)(Low PMD Option)	≤0.25 (0.05)	≤0.05
Power Handling (mW)	300	
Operating Temperature (°C)	0 ~+70	
Storage Temperature (°C)	-40 ~+85	
Dimensions (mm)	Φ5.5 x L38	
Fiber Type	Corning SMF-28 fiber	

Values are referenced without connector loss. Specifications may change without notice.

## Ordering Information

EFIH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
	<b>Stage</b>	<b>Pigtail Style</b>	<b>Fiber Length</b>	<b>In/Out Connector</b>
	S=Single Stage U=Dual Stage	1=Bare Fiber 2=900um Jacket	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

## Dimensions

