



# 4 Channel Pump Combiner

AC Photonics' Pump Combiners are typically needed in EDFA and Raman amplifier, offer exceptional performance and reliability at very affordable prices. They feature extremely low Insertion Loss and high Channel Isolation.



## Features

- Low Insertion Loss
- High Channel Isolation
- High Stability and Reliability
- Small Package Size
- Low Cost Solution
- Flexible Specified Channel Spacing

## Applications

- Raman Amplifier
- EDFA
- Fiber Optic Instruments

## Performance Specifications

Parameter	4 Channel
Operating Wavelength (nm)	1420 ~ 1500
Channel Spacing(nm)	5~10 or specified
Insertion Loss(dB) @ Central Wavelength $\pm 1$ nm	0.80
Minimum Isolation(dB)	14
Polarization Dependence Loss(dB)	$\leq 0.2$
Directivity (dB)	$\geq 55$
Optical Return Loss (dB)	$\geq 55$
Optical Power Handling (W)	$\leq 1.5$
Operating Temperature( $^{\circ}$ C )	-20 to +70
Storage Temperature( $^{\circ}$ C )	-40 to +85
Dimensions (mm)	L120xW80xH10

## Ordering Information

PC	Number of Channel	Starting Wavelength	Channel Spacing	Pigtail Style	Fiber Length	In/Out Connector
	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
	4=4 Channel	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>460=1460nm</li> <li>465=1465nm</li> <li>470=1470nm</li> <li>•</li> <li>•</li> <li>•</li> <li>SS=Special</li> </ul>	<ul style="list-style-type: none"> <li>05=5nm</li> <li>06=6nm</li> <li>07=7nm</li> <li>•</li> <li>•</li> <li>•</li> <li>SS=Special</li> </ul>	<ul style="list-style-type: none"> <li>1=Bare Fiber</li> <li>2=900um Jacket</li> </ul>	<ul style="list-style-type: none"> <li>1=1m</li> <li>2=2m</li> </ul>	<ul style="list-style-type: none"> <li>0=None</li> <li>1=FC/APC</li> <li>2=FC/PC</li> <li>3=SC/APC</li> <li>4=SC/PC</li> <li>5=ST</li> <li>6=LC</li> </ul>