

# FOUR-CHANNEL PUMP COMBINER (1480)

## QCPC Series

### Features

- Wide Operating Wavelength Range
- Low Insertion Loss
- High Channel Isolation
- Highly Stable & Reliable
- Epoxy-Free Optical Path

### Applications

- Fiber Amplifier
- Fiberoptic Instruments
- Laboratory R & D

## Oplink Fiber Optic Product Lines

Amplifier Components

Amplifier Modules

DWDMs

Switching/Routing/

Monitoring/Conditioning

Transmission

RGB Laser Modules

### FOUR-CHANNEL PUMP COMBINER

Oplink's 1480 nm four-channel pumpcombiner are manufactured using the proven fused biconical taper technology and Oplink's stringent quality procedures. With low insertionloss, this device is ideal for combiningfour pump sources near 1480 nm inoptical fiber amplifiers.



### Performance Specifications

QCPC Series	4x1	Unit
	Configuration	
Wavelength Range	1465/1472.5/1480/1487.5 or specified	nm
Channel Spacing	7.5 or specified	nm
Maximum Insertion Loss @ $\lambda C \pm 1$ nm	< 0.8	dB
Polarization Dependent Loss	< 0.2	dB
Directivity	> 55	dB
Maximum Power Handling	500	mW
Return Loss	> 55	dB
Operating Temperature	-10 to +70	°C
Storage Temperature	-40 to +85	°C
Package Dimension **	P3: (L)100 x (W)80 x (H)7	mm

Values are referenced without connector loss.

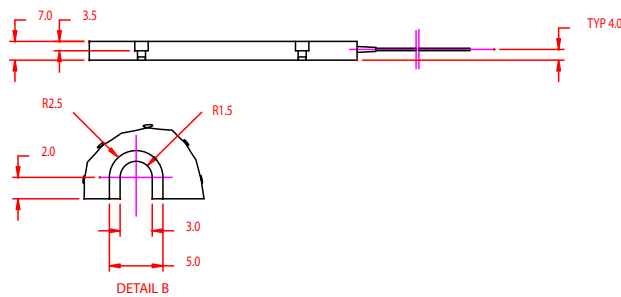
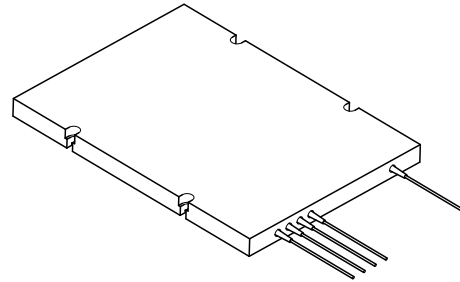
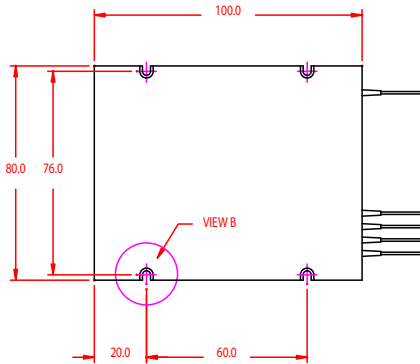
\* Operating wavelength can be specified by customer. Call for details.

\*\* The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.



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## Mechanical Footprint Packaging Dimension (unit: mm)



NOTES: (UNLESS OTHERWISE SPECIFIED)  
 1. ALL DIMENSION ARE IN MILLIMETER.  
 2. MAT'L AND FINISH: AL6061, BLACK ANODIZE.  
 3. TOL: X = ±0.2, XX = ±0.1.

## Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.

