

# FOUR CHANNEL PUMP COMBINER (1480)

## QCPC Series

### Product Description

Oplink's 1480 nm four-channel pump combiner are manufactured using the proven fused biconical taper technology and Oplink's stringent quality procedures. With low insertion loss, this device is ideal for combining four pump sources near 1480 nm in optical fiber amplifiers.

Oplink can provide customized designs to meet specialized feature applications. Also, Oplink offers modular assemblies that integrate other components to form a full function module or subsystem.



### Performance Specification

QCPC Series	4x1 Configuration	Unit
Wavelength Range <sup>[1]</sup>	1465/1472.5/1480/1487.5 or specified	nm
Channel Spacing	7.5 or specified	nm
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 Range	- 10 to + 75	°C
Storage Temperature Range	- 40 to + 85	°C
Package Dimensions <sup>[2]</sup>	P3 : (L) 100 x (W) 80 x (H) 7	mm

Note:

[1] Operating wavelength can be specified by customer. Call for details.

[2] The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.

[3] Values are referenced without connector loss.

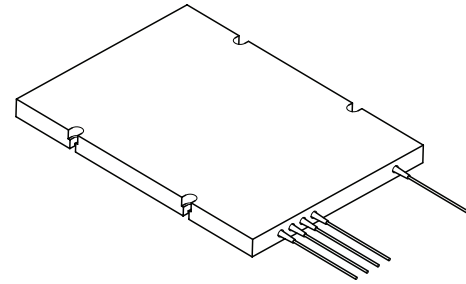
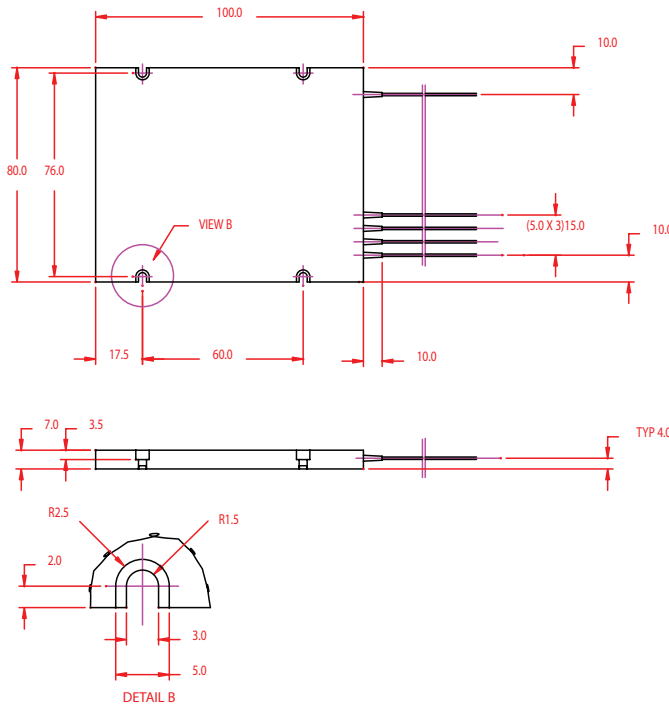
### Features

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

### Applications

- ◆ Fiber Amplifier
- ◆ Fiberoptic Instruments
- ◆ Laboratory R & D

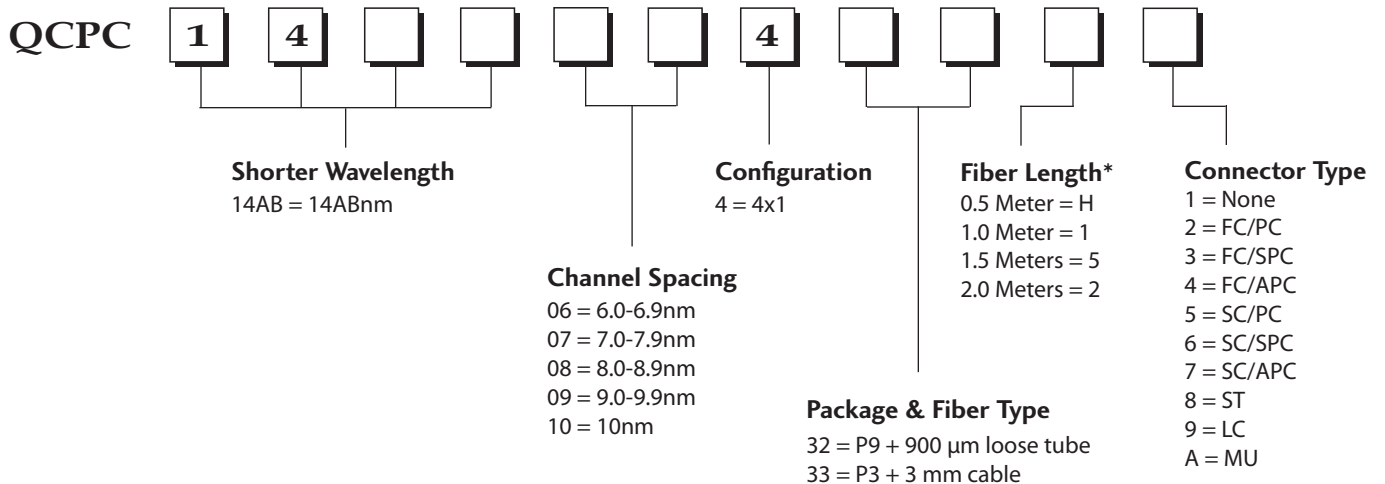
**Mechanical Drawing / Package Dimensions (dimension in mm)**



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.



\* 1 meter is standard. The lead time for special fiber length will be longer.