

# TWO CHANNEL PUMP COMBINER (1480)

## DCPC Series

### Features

- ◆ Low Insertion Loss
- ◆ High Stability & Reliability
- ◆ Wide Operating Temperature Range

### Applications

- ◆ Double Pumping

### TWO-CHANNEL PUMP COMBINER

Oplink's 1480 nm two-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 two 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 Specifications

| DCPC Series  | 2 x 1 Configuration          |                          | Unit |
|--|------------------------------|--------------------------|------|
| Wavelength Range                                   | 1400 - 1500                  |                          | nm   |
| Channel Spacing                                    | 10 ~ 30                      |                          | nm   |
| Maximum Insertion Loss @ Central Wavelength ± 1 nm | < 0.6                        |                          | 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*                                 | P1: 250 μm SMF-28 bare fiber | (ø) 4.0 x (L) 75         | mm   |
|  | P2: 900 μm loose tube        | (ø) 4.0 x (L) 80         |      |
|  | P3: 3mm cable                | (L)96 x (W) 12 x (H) 6.4 |      |

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

**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.



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