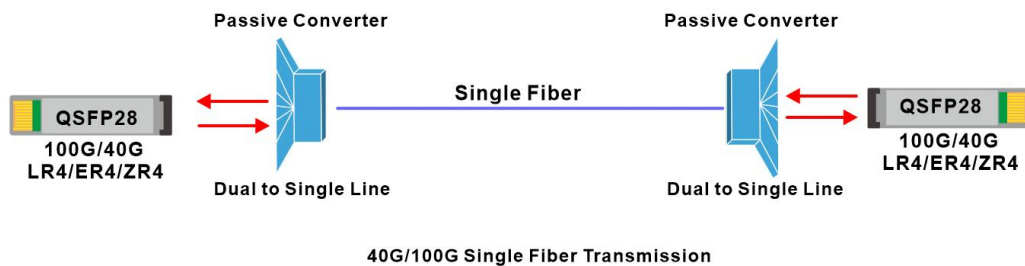


### 40G/100G LR ER ZR Dual fiber to Single fiber Converter

With the increase of 40G/100G data transmission with large bandwidth, optical fiber resources between data centers are becoming less and less. How to reuse existing optical fibers can save considerable costs for enterprises. Pro-optics provides 100G dual-port to single-port converter for bidirectional transmission of 100GLR4/ER4 optical modules over one core fiber, enabling multiple 40G/100G services using the existing dual-core fiber.

### Dual fiber 100G transceiver in single fiber transmission application:



### Product Image



### 100G Dual fiber to single fiber Converter

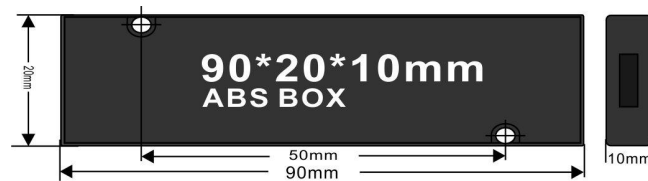
- ◆ Supports 40G/100G LR4, ER4, ZR4, dual fiber to single fiber
- ◆ Operation wave 1310nm
- ◆ TX/RX Port: LC Connector for optical transceivers;
- ◆ Line Port SC/APC
- ◆ Passive device, Low Insertion Loss

### Specifications

<b>Wavelength</b>	1310nm	<b>Rate</b>	40G/100G
<b>Insertion Loss</b>	≤ 1dB	<b>Technology</b>	TFF (Thin Film Filter)
<b>Line Insertion Loss</b>	≤ 2.0dB	<b>Isolation</b>	≥35dB

<b>Polarization Dependent Loss</b>	≤ 0.1ps	<b>Return Loss</b>	≥ 45dB
<b>TDL (dB)</b>	≤0.15dB	<b>PMD (ps)</b>	≤0.055nm
<b>Return Loss</b>	≥ 45dB	<b>Directivity</b>	≥ 45dB
<b>Power handling</b>	≤500mW	<b>Fiber Type</b>	SMF-28e, 2.0MM 1.0M fiber
<b>Connector</b>	LC/UPC, SC/UPC	<b>Temperature</b>	Operating -40 to 85°C Storage -40 to 85°C
<b>Net Weight</b>	0.15KG	<b>Dimensions (HxWxD)</b>	90*20*10mm

### Package Information



ABS BOX Package

### Order Information

Product No.	Product description
PO-bidi-Converter	40G/100G LR ER ZR Dual fiber to Single fiber Converter, TX/RX port LC/UPC, Line Port SC/UPC, 2.0MM 1.0M Fiber ABS90*20*10mm Box

**Note: We Support Customized Design, please contact us by email.**