



1x2 (2x2) Compact Single Mode Broadband Splitter

Features of our splitter:

- Low PDL
- Low Insertion loss
- High Directivity
- Stable and Reliable
- Very Compact size

Applications for our splitter:

- Optical Communications System
- Optical Testing System
- Optical Fiber Sensor
- Optical Power Distributor

Specifications:

| Specification | | Splitting Ratio: 50:50 | | |
|-----------------------|------|------------------------|------------|----------------------------------|
| | | Unit | Premium | A grade |
| Port Configuration | | | 1x2 or 2x2 | |
| Bandwidth | | nm | +/-40 | |
| Insertion Loss | Max. | dB | 3.4 | 3.7 |
| Excess loss | Typ. | dB | 0.1 | 0.15 |
| Uniformity | Max. | dB | 0.6 | 1.0 |
| PDL | Max. | dB | 0.1 | 0.15 |
| Return Loss * | Min. | dB | 50 | |
| Operating Temperature | | °C | -40 to +85 | |
| Storage Temperature | | °C | -50 to +85 | |
| Package Type | | mm | S3 | Diam. 3x30: for bare fiber |
| | | | S5 | Diam. 3x40: for 0.9mm loose tube |

* >60dB on request for 1x2 structure

| Splitting Ratio and Insertion Loss Conversion Table | | | | |
|---|-----------------------------|---------------|---------------|---------------|
| Splitting Ratio | Maximum Insertion Loss (dB) | | | |
| | Premium | | A Grade | |
| Output Port | Output Port 1 | Output Port 2 | Output Port 1 | Output Port 2 |
| | | | | |



| Output Port | Output Port 1 | Output Port 2 | Output Port 1 | Output Port 2 |
|-------------|---------------|---------------|---------------|---------------|
| 50:50 | 3.4 | 3.4 | 3.7 | 3.7 |
| 60:40 | 2.5 | 4.4 | 2.8 | 4.8 |
| 70:30 | 1.8 | 5.6 | 2.0 | 6.1 |
| 80:20 | 1.1 | 7.4 | 1.3 | 8.0 |
| 90:10 | 0.6 | 10.8 | 0.8 | 12 |
| 95:5 | 0.4 | 14.6 | 0.5 | 18.4 |
| 96:4 | 0.35 | 16.0 | 0.45 | 19.0 |
| 97:3 | 0.3 | 17.5 | 0.4 | 19.5 |
| 98:2 | 0.25 | 19.0 | 0.35 | 20.0 |
| 99:1 | 0.2 | 21.5 | 0.3 | 22.0 |
| 99.5:0.5 | 0.2 | 23.0 | 0.3 | 24.0 |

Ordering Information:

- Wavelength: 1625, 1590, 1570, 1550, 1480, 1475, 1310
- Structure: 1x2, 2x2
- Splitting Ratio: 99.5:0.5, 99:1, 98:2, 97:3, 96:4, 95:5, 90:10, 80:20, 70:30, 60:40, 50:50
- Grade: Premium (P), A grade
- Fiber type: SMF-28
- Pigtail: 250um bare fiber, 0.9mm loose tube
- Fiber length: 0.5m, 1.0m, 1.5m, 2.0m
- Connector: none, FC/PC, FC/APC, ST, customer's request

We have unbeatable price for this product.

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing sales2@o-eland.com