



1x2 (2x2) Single Two-Window Broadband Splitter

Features of our splitter:

- Low PDL
- Low Insertion Loss
- High Directivity
- Stable and Reliable

Applications for our splitter:

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

Specifications:

| Specification | | | Splitting Ratio 50:50 | |
|-----------------------|------|------|-------------------------|--|
| Parameter | | Unit | Premium | A grade |
| Port Configuration | | | 1x2 or 2x2 | |
| Bandwidth | | nm | 1310+/-40 and 1550+/-40 | |
| Insertion Loss | Max. | dB | 3.6 | 3.9 |
| Excess loss | Typ. | dB | 0.07 | 0.1 |
| Uniformity | Max. | dB | 0.8 | 1.2 |
| PDL | Max. | dB | 0.15 | 0.20 |
| Return Loss * | Min. | dB | 50 | |
| Operating Temperature | | °C | -40 to +85 | |
| Storage Temperature | | °C | -50 to +85 | |
| Package Type | | mm | S6 | Diam. 3x54: for bare fiber |
| | | | S8 | Diam. 3x70 for 0.9mm loose tube |
| | | | M1 | 10x20x90 for 0.9mm loose tube or 3mm cable |

* >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 |
| 50:50 | 3.6 | 3.6 | 3.9 | 3.9 |
| 60:40 | 2.7 | 4.7 | 2.9 | 5.0 |



| | | | | |
|-------|-----|------|-----|------|
| 60:40 | 2.7 | 4.7 | 2.9 | 5.0 |
| 70:30 | 1.9 | 6.0 | 2.1 | 6.4 |
| 80:20 | 1.2 | 7.9 | 1.4 | 8.5 |
| 90:10 | 0.6 | 11.3 | 0.8 | 12.7 |
| 95:5 | 0.4 | 15.2 | 0.5 | 18.9 |
| 98:2 | 0.3 | 19.8 | 0.4 | 21.0 |
| 99:1 | 0.3 | 23.5 | 0.4 | 24.0 |

Ordering information:

- Wavelength: 1310 & 1550
- Structure: 1x2, 2x2
- Splitting Ratio: 99:1, 98:2, 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, 3mm cable
- 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