



Single Mode Broadband Tree Fiber Coupler

Features of our coupler:

- Wide bandwidth and low insertion
- Loss Excellent performance
- Consistent quality and high reliability

Applications for our coupler:

- Fiber distribution network
- LAN
- CATV Network
- Test Equipment

Specifications:

| Parameter | Unit | Value | | | | | | | |
|-----------------------|------|-----------------------|---------|---------|---------|-------------|-----------|-----------|-----------|
| | | Single window | | | | Dual-window | | | |
| Operating wavelength | nm | 1310+/-40 / 1550+/-40 | | | | | | | |
| Port (1xN) | | N=3 | N=4 | N=5 | N=6 | N=8 | N=16 | N=24 | N=32 |
| Fiber type | dB | Corning SMF-28 | | | | | | | |
| Insertion loss | dB | 5.4/5.6 | 7.0/7.2 | 8.0/8.2 | 9.2/9.5 | 10.4/10.7 | 14.4/14.8 | 15.3/15.7 | 17.4/17.8 |
| Uniformity | dB | 0.5/0.6 | 0.7/0.8 | 1.1/1.2 | 1.3/1.5 | 1.5/1.7 | 1.7/2.0 | 2.0/2.3 | 2.2/2.5 |
| Return loss | dB | >55 | | | | | | | |
| Directivity | dB | >55 | | | | | | | |
| PDL | dB | <0.20 | <0.20 | <0.30 | <0.30 | <0.30 | <0.40 | <0.50 | <0.50 |
| TDL | dB | <0.20 | <0.20 | <0.25 | <0.25 | <0.30 | <0.40 | <0.45 | <0.50 |
| Operating temperature | °C | -10 ~ +70 | | | | | | | |
| Storage temperature | °C | -40 ~ +85 | | | | | | | |

* >60dB on request for 1x2 structure



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| Package dimension | D | E | F | G | LGX | | J | Rack |
|-----------------------------|-----------------------|----------------------|----------------------|-----------------------|-----------|------|-----------------------|--------------------|
| Package dimension (mm) | 112x80x10.6 | 130x90x15 | 100x80x10 | 140x102x15 | 1U | 2U | 133.5x96x18 | 19" |
| Installation dimension (mm) | 102x72x4 Diam. 2.4 | 124x84x4 Diam.3.5 | 94x75x4 Diam. 3.2 | 128x92x4 Diam. 3.2 | | | 133.5x90x4 Diam. 3 | |
| Box | Plastic Box | Metal Box | Metal box | Plastic box | Metal Box | | Metal Box | Metal Box |
| | N=2;3;4 | N=3;4(adapter) | N=2;3;4 | N<=12 | N<=4 | N<=8 | N<=32 | N<=32 (adapter) |

Ordering Information:

- Port: 1x4, 1x8, 1x16
- Wavelength: Single window: 1310, 1550nm ; Dual-window: 1310/1550nm
- Input/Output: Adapter, 1m fiber, customer request
- Cable diameter: adapter, 250um, 900um, 3mm
- Connector: FC/PC, FC/APC, SC/PC, SC/APC, customer request
- Package: from table: D, E, .. rack type

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