

1x2 (2x2) Non-PDL Single Mode Narrowband Fused Splitter



Specifications

| Parameter | | Unit | 50 : 50 | |
|-----------------------|------|------|------------|---------|
| | | | Premium | A grade |
| Bandwidth | | nm | ± 10 | |
| Insertion Loss | Max. | dB | 3.4 | 3.6 |
| Excess Loss | Typ. | dB | 0.07 | 0.1 |
| Uniformity | Max. | dB | 0.5 | 0.8 |
| PDL | Max. | dB | 0.01 | 0.02 |
| Return Loss | Min. | dB | 50 | |
| Operating Temperature | | °C | -40 to +85 | |
| Storage Temperature | | °C | -50 to +85 | |

Note: Return loss without connector; insertion loss does not include connector

Features / Benefits

- PDL free
- Low excess loss

Applications

- Optical communication system
- Optical power distribution system
- Fiber optic sensors
- Optical test system

Splitting Ratio VS Insertion Loss

| Splitting Ratio & Insertion Loss Conversion Table | | | | | |
|---|--------------|-----------------------------|--------------|--------------|--------------|
| Splitting Ratio | | Maximum Insertion Loss (dB) | | | |
| | | Premium | | A grade | |
| Output Port1 | Output Port2 | Output Port1 | Output Port2 | Output Port1 | Output Port2 |
| 50 | 50 | 3.4 | 3.4 | 3.6 | 3.6 |
| 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 |
| 98 | 2 | 0.25 | 19 | 0.35 | 20 |
| 99 | 1 | 0.2 | 21.5 | 0.3 | 22 |

Ordering Information

| | | | | | | | | | | | |
|--|-----------------------------|-----------------------------|---------------------------------|---|-----------------------|--|--|---|---|---|---|
| S | N | N | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| Wavelength 1=1625nm 2=1590nm 3=1570nm 4=1550nm 5=1480nm 6=1475nm 7=1310nm | Structure 1=1x2 2=2x2 | Splitting Ratio 50=50/50 | Grade P=Premium A=A grade | Package A=Ø3x54 mm for bare fiber C=Ø3x70mm for 0.9mm E=10x20x90mm for 3mm cable | Fiber Type 1=SMF28 | Pigtail S=250µm Bare fiber M=0.9mm loose tube L=3mm cable | Fiber Length 0=0.5m 1=1.0m 2=1.5m 3=2.0m | Connector Type 0=None 1=FC/PC 2=FC/SPC 3=FC/APC 4=SC/SPC 5=SC/APC 6=ST 7=FC/UPC 8=SC/UPC 9=MU A=LC | | | |

This product information is subject to change without notice.