

1x3 Fused PM Fiber Standard Splitter



Product Features

- Low Excess Loss
- High Extinction Ratio
- High Power Handling
- Available for Slow or Fast Axis Operation
- Telcordia GR-1221 Compliant Test

Product Applications

- Optical Amplifier
- Optical Sensor
- Coherent Optical System
- Optical Testing Equipment

| Specifications | | Splitting Ratio: 33:33:33 | | | |
|-------------------------------|---------|---------------------------|---------|------------------------|---------|
| Parameter | Unit | Premium | A grade | Premium | A grade |
| Port Configuration | | 1x3 | | | |
| Central Wavelength | nm | 780, 830, 980, 1064 | | 1310, 1480, 1550, 2000 | |
| Bandwidth | nm | ±20 | | | |
| Excess Loss | Typ. dB | 0.6 | 0.8 | 0.3 | 0.5 |
| Excess Loss | Max. dB | 0.8 | 1.0 | 0.6 | 0.8 |
| Polarization Extinction Ratio | Min. dB | 17 | 15 | 18 | 16 |
| Splitting Ratio Tolerance | Max. % | ±6 | ±8 | ±6 | ±8 |
| Operating power | Max. W | 2 | | | |
| Operating Temperature | °C | -40 to +85 | | | |
| Storage Temperature | °C | -50 to +85 | | | |
| Package Type | mm | S6 / S12 / M2 | | | |

Above PER is for more than 10%(CR) port, it's 2dB lower for no more than 10%(CR) port, and 4dB lower for no more than 5%(CR) port.

All specifications are before connectors. PER is 2dB lower and EL is 0.2dB higher after connectors.

Splitting Ratio & Its Tolerance

| Splitting Ratio | Maximum Splitting Ratio Tolerance (%) | | | |
|-----------------|---------------------------------------|---------------|--------------|---------------|
| | Premium | | A-Grade | |
| | Through Port | Coupling Port | Through Port | Coupling Port |
| 5:90:5 | ±2.5 | ±1.5 | ±3.0 | ±1.8 |
| 10:80:10 | ±2.8 | ±1.6 | ±3.2 | ±2.0 |
| 15:70:15 | ±3.0 | ±1.8 | ±3.5 | ±2.4 |
| 20:60:20 | ±3.3 | ±2.0 | ±3.7 | ±2.5 |
| 25:50:25 | ±3.5 | ±2.4 | ±4.0 | ±3.0 |
| 30:40:30 | ±4.0 | ±3.0 | ±5.0 | ±4.0 |
| 33:33:33 | ±6.0 | ±6.0 | ±8.0 | ±8.0 |
| 35:30:35 | ±4.0 | ±5.0 | ±5.0 | ±6.0 |
| 40:20:40 | ±5.0 | ±6.0 | ±6.0 | ±7.0 |

Ordering Information

| | | | | | | | | | | |
|---|---|---|---|---|--|---------------------------------|--|--|--|--|
| P | M | S | S | 3 | 90=5:90:5 80=10:80:10 70=15:70:15 60=20:60:20 50=25:50:25 40=30:40:30 33=33:33:33 30=35:30:35 20=40:20:40 ... | Grade P=Premium A=A grade | Package 5=S6 with 250um bare fiber pigtail B=S12 with 0.9mm loose tube E=M2 with 3mm cable | Fiber Type E=Panda fiber L=Large mode area panda fiber | Fiber Length 0=0.5m 1=0.75m 2=1.0m S=Specify | Connector 0=None 1=FC/PC 2=FC/SPC 3=FC/APC 7=FC/UPC |
|---|---|---|---|---|--|---------------------------------|--|--|--|--|

Note: 1. Central Wavelength can be customized for different applications.
2. All specifications are subject to change without notice.