

PLC Splitter



Product Presentation

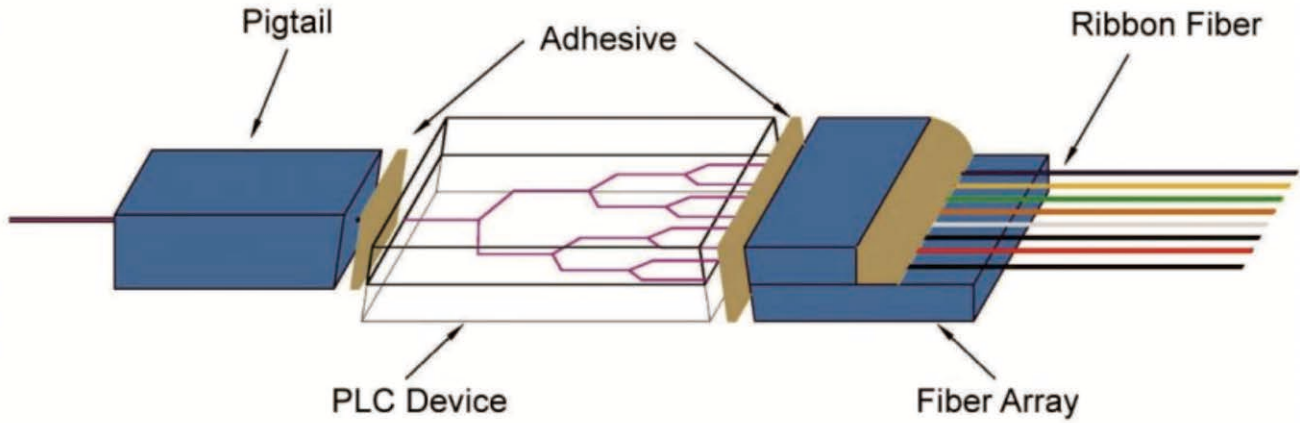
(PLCSplitter)--PLCSplitter is an integrated waveguide optical power splitter based on quartz substrate, currently available in 1×N and 2×N Two types.The 1×N and 2×N splitter evenly input the optical signals into multiple outlets from a single or double inlet, or work in reverse to integrate multiple optical signals into a single or double fiber.

Applications

- ITelecommunication sector
- IPON System
- IFTTH
- ICATV
- IVideo Transmission

Features

- Wide working wavelength
- Low insertion loss
- Low polarization-dependent loss
- Miniaturized design
- Good channel-to-channel consistency
- High reliability and stability
- Passed GR-1221-CORE Reliability Test
- Passed GR-12091-CORE Reliability Test



Technical Specification

| Items | | Unit | Specification | | | | | | |
|------------------------------------|------------------|------|---------------------|-----------|-----------|-----------|-----------|-----------|----------|
| Test Wavelength | | (nm) | 1260~1650 | | | | | | |
| 1*N | | -- | 1*2 | 1*4 | 1*8 | 1*16 | 1*32 | 1*64 | 1*128 |
| Insertion Loss | MAX (P/S) | (dB) | 3.8/4.0 | 7.0/7.4 | 10.5/10.7 | 13.6/13.9 | 16.6/16.9 | 21/21.5 | 24/24.5 |
| Channel Uniformity | MAX (P/S) | (dB) | 0.6/0.6 | 0.6/0.7 | 0.8/1.0 | 0.9/1.2 | 1.2/1.4 | 1.7/1.9 | 2.2/2.5 |
| Return Loss | MIN | (dB) | 55 | | | | | | |
| Polarization Dependent Loss | MAX (P/S) | (dB) | 0.15/0.25 | 0.15/0.25 | 0.2/0.25 | 0.2/0.3 | 0.25/0.3 | 0.25/0.35 | 0.4/0.45 |
| 2*N | | -- | 2*2 | 2*2 | 2*8 | 2*16 | 2*32 | 2*64 | -- |
| Insertion Loss | MAX (P/S) | (dB) | 4.0/4.3 | 4.0/4.3 | 10.7/11.0 | 14/14.5 | 17.5/18 | 21.4/21.9 | -- |
| Channel Uniformity | MAX (P/S) | (dB) | 0.9/1.1 | 0.9/1.1 | 1.0/1.2 | 1.2/1.5 | 1.5/1.8 | 2.0/2.3 | - |
| Return Loss | MIN | (dB) | 55 | | | | | | |
| Polarization Dependent Loss | MAX (P/S) | (dB) | 0.25/0.3 | 0.25/0.3 | 0.25/0.3 | 0.3/0.35 | 0.3/0.35 | 0.35/0.4 | -- |
| Fiber Type | | -- | ITU-T G657A1/G657A2 | | | | | | |
| Temperature Stability | MAX | (dB) | 0.5(Typical 0.3) | | | | | | |
| Operating Temperature | | (°) | -40 ~ +75 | | | | | | |
| Storage Temperature | | (°) | -40 ~ +75 | | | | | | |