

Splitters



Introduction:

Our single-mode Planar Light wave Circuit Splitter (PLCS) brings together unique quartz glass waveguides and precision pigtail alignment processes in a miniature package. Providing a low-cost light distribution solution with small form factor - Excellent uniformity and high reliability, our PLCS boast high performance over a wide wavelength.

Features:

- Low-cost solution with small form factor
- High reliability
- High performance in terms of low insertion loss, low PDL, high return loss
- Excellent uniformity
- 1260nm to 1650nm.

Specifications

| Port Configuration | 1x2 | 1x4 | 2x4 | 1xa | 2xa | 1x16 | 2x16 | 1x32 | 2x32 | 1x64 |
|--|-------------------|---------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------|
| Operating Wave-length nm | 1260-1650 | | | | | | | | | |
| PDL (dB) | < 0.3 < 0.5 < 0.2 | | | | | | | | | |
| Directivity (dB) | >55 | | | | | | | | | |
| Return Loss (dB) | >55 | | | | | | | | | |
| Operation Temperature °C | -125 | | | | | | | | | |
| Storage Temperature °C | -125 | | | | | | | | | |
| Fiber Type | G652D OR G657A | | | | | | | | | |
| Port Configuration | 1x2 | 1x4 | 2x4 | 1xa | 2xa | 1x16 | 2x16 | 1x32 | 2x32 | 1x64 |
| Insertion Loss(dB) | :5:4.3 | :5:7.20 | :5:7.5 | :!10.5 | :5:11.2 | :5:13.6 | :5:14.6 | :5:17.0 | :5:17.5 | :!21 |
| LOSS Uniformity (dB) | :!5:0.5 | :!5:0.6 | :!5:1.2 | :!5:0.8 | :!5:1.5 | :!5:1.4 | :!5:2.0 | :!5:1.6 | :!5:2.5 | :!5:2.5 |
| Ribbon Fiber Pack - aging Size (LxWxH) mm | 40 x 4 x 4.0 | | 45 x 4.5 x 4.0 | 45 x 4.5 x 4.0 | 45 x 4.5 x 4.0 | 60 x 7.0 x 4.0 | 50 x 7.0 x 4.0 | 65 x 7.0 x 4.0 | 60 x 7.0 x 4.0 | 12 x 4.0 |
| !Z'.0.9mm Loose Tube Packaging Size LxWxH mm | 50 x 7.0 x 4.0 | | 60 x 7.0 x 4.0 | 60 x 12 x 4.0 | 60 x 12 x 4.0 | 80 x 12 x 4.0 | 80 x 20 x 6.0 | 90 x 20 x 6.0 | 100 x 20 x 6.0 | 40 x 6.0 |

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Dimension Diagram

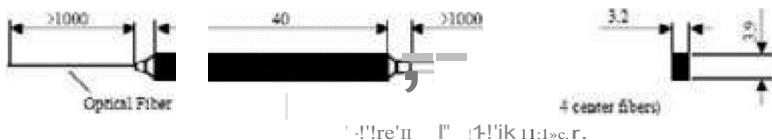


Fig. 1. 1x4 and 1x8 splitter

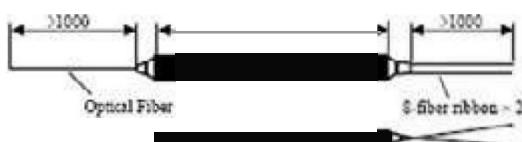
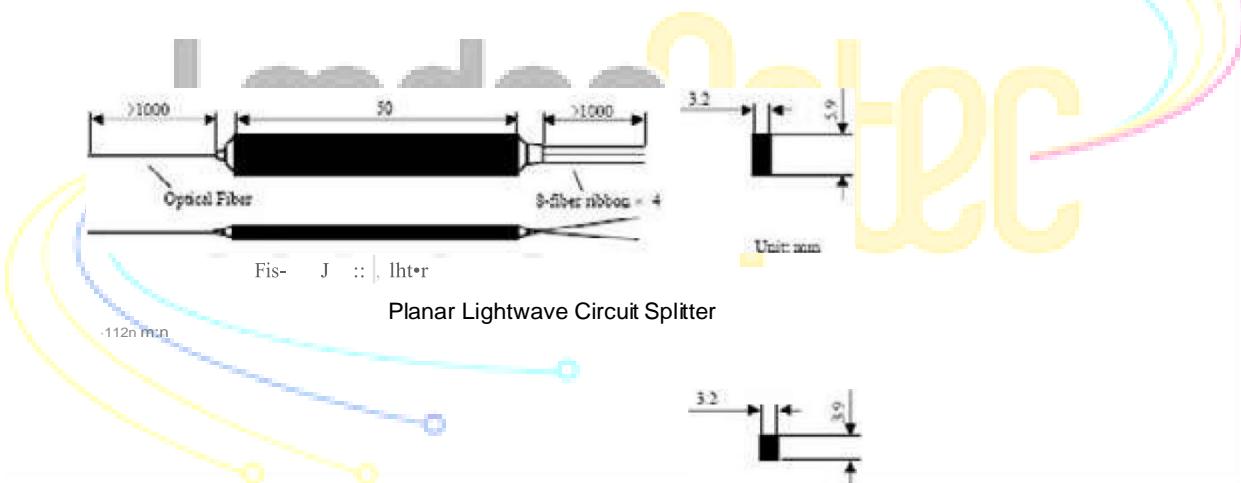


Fig. 2. 1x16 splitter



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