

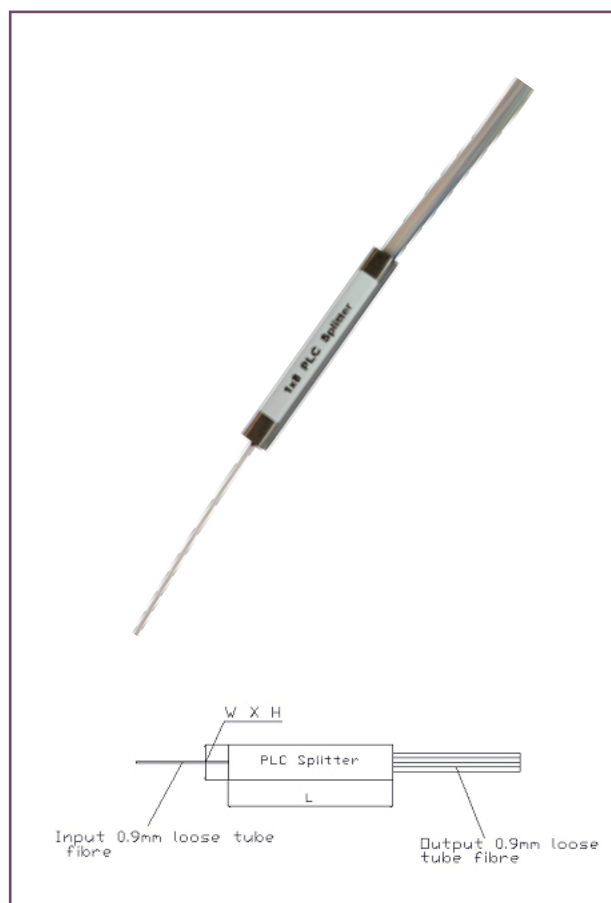
Compact 900µm PLC Splitter

Description

FibreFab has introduced a range of highly reliable, high performance compact splitters. The compact splitter is specifically design to remove the need for a ribbon fibre to 900µm fibre Fan-Out unit, with the 900µm cable exiting directly from the PLC housing

Features

- ▶ **Designed to meet Telcordia standards**
- ▶ **Compact housing design for small space applications**
- ▶ **Low IL and PDL**
- ▶ **Excellent uniformity**
- ▶ **High specification connectors available**



Technical Specification

| Parameters | | 1x4 | 1x8 | 1x16 | 1x32 | 2x4 | 2x8 | 2x16 | 2x32 |
|--|-----|---------------------------------|--------|---------|---------|--------|--------|---------|----------|
| Operating Wavelength (nm) | | 1260~1650 | | | | | | | |
| Insertion Loss without connector (dB) ^(1,2) | Max | 7.4 | 10.7 | 13.7 | 17 | 7.8 | 11.4 | 14.9 | 18 |
| Insertion Loss with connector (dB) | Max | 7.9 | 11.2 | 14.2 | 17.5 | 8.3 | 11.9 | 15.4 | 18.5 |
| Loss Uniformity (dB) | Max | 0.6 | 0.9 | 1.2 | 1.7 | 1.5 | 1.5 | 2 | 2.5 |
| Polarization Dependent Loss (dB) | Max | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 | 0.4 |
| Return Loss (dB) | Min | 50 | | | | | | | |
| Directivity (dB) | Min | 55 | | | | | | | |
| Fiber Type | | G652.D or G657.A | | | | | | | |
| Fiber Length (m) | | 1.2(±0.1) or customer specified | | | | | | | |
| Connector Type | | Customer specified | | | | | | | |
| Dimension(L x W x H)(mm) | mm | 60x7x4 | 60x7x4 | 60x12x5 | 80x20x6 | 60x7x4 | 60x7x4 | 80x12x5 | 100x20x6 |

Notes:

- (1) All measurements were performed at room temperature, at wavelength 1310nm &1550nm.
- (2) Coupling losses at the interfaces between the splitter chip and I/O fibres are included.



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Part Number Generator

| Type | Configuration | Wavelength | Cable Type | Input Connectors | Output Connectors | Fibre Type | Lead Length Input | Lead Length Output | | | |
|----------------------|---------------|------------|------------|------------------|-------------------|------------|-------------------|---------------------------------------|-------|---------------------------------------|------|
| PCS | | | | | | | | | | | |
| PLC Compact Splitter | 102 | 1x2 | 1 900µm | A | None | A | None | D | G652D | 1 | 1m |
| | 104 | 1x4 | | B | E2000 /UPC | B | E2000 /UPC | A | G657A | 15 | 1.5m |
| | 108 | 1x8 | | C | E2000 /APC | C | E2000 /APC | 2 | 2m | 2 | 2m |
| | 116 | 1x16 | | D | FC/UPC | D | FC/UPC | 25 | 2.5m | 25 | 2.5m |
| | 132 | 1x32 | | E | FC/APC | E | FC/APC | 3 | 3m | 3 | 3m |
| | 202 | 2x2 | | F | LC/UPC | F | LC/UPC | *Other lengths available upon request | | *Other lengths available upon request | |
| | 204 | 2x4 | | G | LC/APC | G | LC/APC | | | | |
| | 208 | 2x8 | | H | MU/APC | H | MU/APC | | | | |
| | 216 | 2x16 | | I | MU/UPC | I | MU/UPC | | | | |
| | 232 | 2x32 | | J | SC/UPC | J | SC/UPC | | | | |
| | | | | K | SC-APC | K | SC-APC | | | | |
| | | | | L | ST/UPC | L | ST/UPC | | | | |

Example Part Number

PCS 102 A 1 A A D 1 1

This part number generator has created a:

1X2 PLC Splitter with 900µm cable and no connectors using G652D fibre at 1310 & 1550 with 1m pigtail.

