



*flawless fusion with infinite possibilities*

**SIFAM**  
F I B R E O P T I C S

## 2xN Planar Splitter



The 2xN Planar Splitter provides a compact and reliable means of splitting and combining light in optical networks. With up to 32 output ports, the component provides the ideal solution for high-split applications such as passive optical networks and CATV.

Available in a choice of grades, pigtail types and connectors, the 2xN Planar Splitter may be configured for a wide variety of applications. Easy to handle, the component integrates into conventional cassettes, splicing enclosures and rack-mounted modules such as LGX.

Insertion loss and PDL are low and the component features excellent uniformity. Standard wavelength coverage is from 1260-1360nm and 1480-1580nm, with extended bandwidth up to 1650nm available on a custom basis. Please contact us to discuss your requirements.

### Key Features:

- Up to 32 output ports
- Advanced planar technology
- Highly reliable packaging
- Low loss and PDL
- Easy to handle
- 1260-1360, 1480-1580nm operation

### Applications:

- Passive Optical Networks
- CATV
- DWDM and CWDM systems
- Instrumentation
- Sensors

SIFAM Fibre Optics Ltd  
Broomhill Way, Torquay  
Devon TQ2 7QL  
England



Certificate No. 0962231

Tel: +44(0) 1803 407784  
Fax: +44(0) 1803 407786  
sales@sifamfo.com  
www.sifamfo.com

## Optical Specifications

| Parameter                                    | Grade                          |     |               |      | Unit |    |
|--|--------------------------------|-----|---------------|------|------|----|
| Operating Wavelength                         | 1260-1360 / 1480-1580 nm       |     |               |      |      |    |
| Port Configuration                           | 2x4                            | 2x8 | 2x16          | 2x32 |      |    |
| Maximum Insertion Loss <sub>1,2</sub>        | A                              | 7.6 | 11.0          | 14.6 | 17.8 | dB |
|  | B                              | 7.8 | 11.2          | 14.8 | 18   | dB |
| Uniformity <sub>1,2</sub>                    | A                              | 1.4 | 1.6           | 2.4  | 3.0  | dB |
|  | B                              | 1.5 | 1.8           | 2.6  | 3.3  | dB |
| PDL <sub>2</sub>                             | <0.2                           |     |               |      | dB   |    |
| Return Loss / Directivity <sub>2</sub>       | >55                            |     |               |      | dB   |    |
| Fibre Type                                   | Corning SMF-28 (or equivalent) |     |               |      |      |    |
| Pigtail Length                               | 2.5 ± 0.5                      |     |               |      | m    |    |
| Operating / Storage Temperature <sub>3</sub> | -40 to +85                     |     |               |      | °C   |    |
| Package Dimensions                           | 67 x 7.5 x 5.6                 |     | 70 x 13 x 5.6 |      | mm   |    |
|  | 70 x 13 x 5.6                  |     |               |      |      |    |

1. Specification valid over all input polarisation states and operating temperature range.
2. Without connectors.
3. Ø900µm tubing pigtail option and all connectorised components have operating temperature range -5°C to +75°C.

## Ordering Codes

**Example: PFC-2G122A100** (Planar Fibre Coupler, 2 x 16, 70 x 13 x 5.6mm housing, Ø250µm fibre input, Ø250µm fibre output, grade A, Corning SMF-28 fibre, no input connectors, no output connectors)

