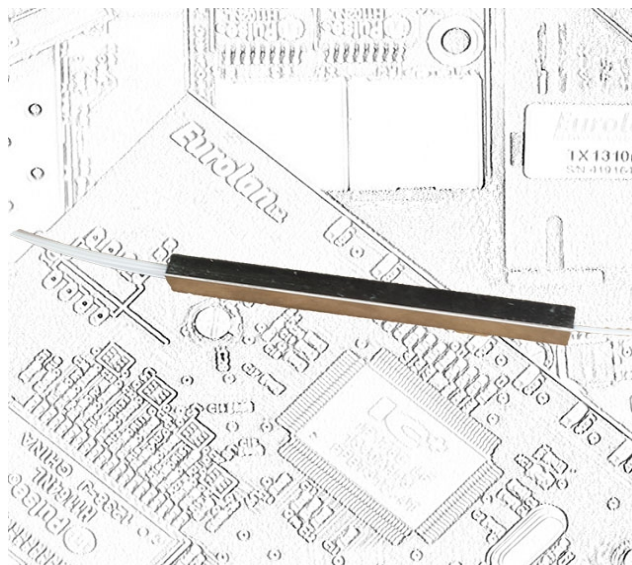


### **SC/APC PLC Splitter**



#### **Description:**

Planar Lightwave Circuit (PLC Splitter) is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and excellent channel-to-channel uniformity. As a result, it is widely used in PON networks to realize optical signal power splitting.

- Single mode SC/APC splitters with different configurations.
- Low Insertion Loss, Back Reflection and PDL
- Operating Temperature: -20 ~ +70 °C
- Storage Temperature: -40 ~ +85 °C

#### **Applications:**

- LAN, WAN, CATV and Metro Networks
- FTTH project & FTTX Deployments
- GPON, EPON, GEAPON
- Fiber Optic Test Equipment
- Data-base Transmit Broadband Networks

#### **Technical Specifications for PLC Splitter:**

| <b>Parameter</b>      | <b>Values</b> |     |      |      |      |      | <b>Units</b> |
|-----------------------|---------------|-----|------|------|------|------|--------------|
| Operating Wavelength  | 1310 - 1550   |     |      |      |      |      | nm           |
| Configuration         | 1x2           | 1x4 | 1x8  | 1x16 | 1x32 | 1x64 | --           |
| Max. Insertion Loss   | 4,0           | 7,3 | 10,5 | 13,7 | 16,9 | 21,0 | dB           |
| Max. Uniformity       | 0,4           | 0,6 | 0,8  | 1,2  | 1,5  | 2,5  | dB           |
| Max. PDL              | 0,15          | 0,2 | 0,2  | 1,25 | 0,3  | 0,35 | dB           |
| Min. Return Loss      | 55            |     |      |      |      |      | dB           |
| Min Directivity       | 55            |     |      |      |      |      | dB           |
| Operating Temperature | -40 to +85    |     |      |      |      |      | °C           |
| Dimensions            | 3,2x3,9x40    |     |      |      |      |      | mm           |