

PLC Splitter

Description:

This splitter is based on planar light-wave circuit technology for uniformly splitting. It is fully compliant with Telcorida GR-1221 core reliability qualification Requirement.

V.TORCH is a professional manufacturer in passive optical components.

We are committed to provide the excellent products to customers.



Features:

1. Good uniformity
2. Low insertion loss & PDL
3. High stability and reliability
4. High stability and reliability

Overview:

Our full line of PLC (Planar Light Wave Circuit) splitters are ideal for inside/outside plant installations providing superior optical performance and field-proven environmental reliability for FTTx/PON applications. PLC splitters are available in a variety of packaging options and can be ordered preinstalled on outside plant splice trays. The PLC splitter series

1xN up to 64 ports configurations

2xN up to 64 ports configurations

Our optical fiber array and PLC chip are precisely aligned within an ultra compact package and tested according to industry standard test procedures, 100% Temperature Cycle Testing from -40 to +85 °C

Application:

1. FTTH & CATV
2. LAN, WAN system
3. Testing system

1xN PLC Splitter Specifications:

| Ports | | 1x4 | 1x8 | 1x16 | 1x32 | 1x64 |
|--------------------------|----------|---|-----------|-----------|-----------|-----------|
| Operating Wavelength(nm) | | 1260~1650 | | | | |
| Insertion Loss(dB) | Typical | 6.8 | 10.0 | 13.0 | 16.0 | 19.5 |
| | Max(P/S) | 7.1/7.3 | 10.2/10.5 | 13.5/13.7 | 16.5/16.8 | 20.5/21.0 |
| Loss Uniformity(dB) | Max | 0.6 | 0.8 | 1.2 | 1.5 | 2.5 |
| PDL(dB) | Max | 0.15 | 0.25 | 0.3 | 0.3 | 0.3 |
| Return Loss(dB) | Min | UPC:50APC:55 | | | | |
| Directivity(dB) | Min | 55 | | | | |
| Standard Input Fiber | | Bend Insensitive SM single Fiber(ITUG.657A) | | | | |
| Standard Output Fiber | | Bend Insensitive SM Ribbon Fiber(ITUG.657A) | | | | |
| Standard Output Color | | Blue, Orange, Green, Brown, Grey, White, Red, Black(TIA/EIA598-B) | | | | |

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| Max.Optical power(mw) | 300 |
| Humidity Range(th) | 5%~85% |
| Operating Temperature(°C) | -40~+85 |
| StorageTemperature(°C) | -40~+85 |
| Connector Options | FC/SC/LC/ST/MU/E2000 |
| Packaging Options | Bare Device*ABS Module*LGX Box* 19"/23"Rack-mount |
| *Telcordia GR-1221-CORE&G-1209-CORE Compliant. *Premium spec available upon request.(P/S:Premium Grade/Standard Grade) *Typical Value at 23°C Without connectors losses. | |