

PLC SPLITTER - RACK MOUNT



Planar Light Circuit (PLC) splitters exhibit uniform signal splitting for FTTH and PON network. It is fabricated using silica optical waveguide technology.

Splitters come with SC adapter. It meets GR-1209 and GR-1221 standard for performance and reliability

KEY FEATURES

- Quartz substrate integrated waveguard
- Good Uniformity and low insertion loss
- Low Polarisation Dependent Loss
- Excellent Environmental Stability
- High Reliability
- Channel-to-Channel uniformity
- Small size

APPLICATIONS

- FTTH(FTTP, FTTH, FTTN, FTTC)
- CATV Systems
- Passive Optical Networks(PON)
- Test Equipment
- Local Area Networks (LAN)
- Monitoring system

SPECIFICATIONS

| Parameter | 1 x 2 | 1 x 4 | 1 x 8 | 1 x 16 | 1 x 32 | 1 x 64 | 2 x 2 | 2 x 4 | 2 x 8 | 2 x 16 | 2 x 32 | 2 x 64 |
|---------------------------|-------------------------------------|-------------|---------------|---------------|---------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|
| Wavelength | 1260-1650 (nm) | | | | | | | | | | | |
| Max. Insertion Loss (dB) | 4.0/ 4.2 | 7.2/ 7.4 | 10.5/ 10.7 | 13.5/ 13.7 | 16.5/ 16.9 | 20.5/ 21 | 4.0/ 4.5 | 7.5/ 7.8 | 11.2/ 11.5 | 14.2/ 14.5 | 17.4/ 17.7 | 21.0/ 21.5 |
| Max. Loss Uniformity.(dB) | 0.6 | 0.6 | 0.8 | 1.2 | 1.5 | 2.5 | 0.6 | 0.6 | 0.8 | 1.2 | 1.5 | 2.5 |
| Max. PDL (dB) | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 |
| Return Loss (dB) | ≥50 | | | | | | | | | | | |
| Directivity (dB) | ≥55 | | | | | | | | | | | |
| Pigtail Length (m) | 1.2 (± 0.1), customer specified | | | | | | | | | | | |
| Fiber Type | Corning SMF-28e, customer specified | | | | | | | | | | | |
| Operating Temperature | -40 - +85 (°C) | | | | | | | | | | | |

ORDERING INFORMATION

| Part Code | Description | Part Code | Description | Part Code | Description |
|----------------|---------------------|----------------|---------------------|----------------|---------------------|
| NFS-FSSSC1- 2 | 1 x 2 PLC splitter | NFS-FSSSC1- 32 | 1 x 32 PLC splitter | NFS-FSSSC2- 8 | 2 x 6 PLC splitter |
| NFS-FSSSC1- 4 | 1 x 4 PLC splitter | NFS-FSSSC1- 64 | 1 x 64 PLC splitter | NFS-FSSSC2- 16 | 2 x 8 PLC splitter |
| NFS-FSSSC1- 8 | 1 x 8 PLC splitter | NFS-FSSSC2- 2 | 2 x 2 PLC splitter | NFS-FSSSC2- 32 | 2 x 32 PLC splitter |
| NFS-FSSSC1- 16 | 1 x 16 PLC splitter | NFS-FSSSC2- 4 | 2 x 4 PLC splitter | NFS-FSSSC2- 64 | 2 x 64 PLC splitter |