

S-PL-xxx-BB-2000-SCA

PLC (Planar Lightwave Circuit) Splitters to use in FTTH application..



PLC Splitter Black Box

features:

- PLC technology,
- even splitting ratio,
- universal design - Mini Box Package,
- low Insertion Loss,
- high uniformity,
- low PDL,
- split from 1x2 to 1x64,
- connector with 3D pass,
- wavelength 1260nm to 1650nm,
- operating temperature: -40°C to 85°C,
- colorful pigtails (optional).

standards and certificates:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- IEC 61753-1
- RoHS

technical specifications:



TELECOMMUNICATION AND
MOBILE OPERATORS



DATA TRANSMISSION
OPERATORS



ISP AND CATV OPERATORS



ENERGETICS



DESIGN AND EXECUTION
COMPANIES



DEVELOPERS



UNIVERSITIES



INTEGRATORS



MILITARY



RAILWAY

S-PL-xxx-BB-2000-SCA

technical specifications:

| PLC splitter | 1x2 | 1x4 | 1x8 | 1x16 | 1x32 | 1x64 |
|---|-------------|-------|--------|--------|-----------|------------|
| operating wavelength [nm] | 1260 ~ 1650 | | | | | |
| insertion loss [dB] * | < 3,8 | < 7,1 | < 10,4 | < 13,7 | < 17,0 | < 20,3 |
| uniformity [dB] | < 0,4 | < 0,7 | < 0,8 | < 1,2 | < 1,6 | < 1,9 |
| PDL [dB] | < 0.2 | | < 0.3 | | | < 0.4 |
| directivity [dB] | > 55 | | | | | |
| return loss [dB] | > 55 | | | | | |
| optical power [mW] * | < 500 * | | | | | |
| dimensions of Mini Box package (W x H x D) [mm] | 10x80x100 | | | | 18x80x120 | 18x115x141 |
| fiber type ITU-T | G.657A | | | | | |
| connectors type | SC/APC | | | | | |
| connector Insertion Loss [dB] | ≤ 0,25 | | | | | |
| connector Return Loss [dB] | ≥ 65 | | | | | |
| operating temperature [°C] | -40 to +85 | | | | | |

* The value doesn't include the influence of connectors and adapters

configuration:

| 0 | 1 | 2 | 3 | 4 | description |
|---|-----|--|-------|--------------|---|
| S | | | | | splitter |
| | -PL | | | | PLC type |
| | | -102 -104 -108 -116 -132 -164 | | | 1x2 split ratio 1x4 split ratio 1x8 split ratio 1x16 split ratio 1x32 split ratio 1x64 split ratio |
| | | | -2000 | | 2mm pigtail type |
| | | | | -SCA -LCA | SC/APC connectors LC/APC connectors |