



Box type PLC splitter

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 good channel-to-channel uniformity, and is widely used in PON networks to realize optical signal power splitting. We provides whole series of 1xN and 2xN splitter products that are tailored for specific applications.



| Module PLC Specification | | | | | | | | | | |
|--------------------------------------|---------------|-------|-----------|-------|------------|-----------|-------|-----------|-------|------------|
| Wavelength(nm) | 1260-1650 | | | | | | | | | |
| Parameters | 1×4 | 1×8 | 1×16 | 1×32 | 1×64 | 2×4 | 2×8 | 2×16 | 2×32 | 2×64 |
| Insertion Loss (with connector) (dB) | ≤7.4 | ≤10.5 | ≤13.8 | ≤17.1 | ≤20.4 | ≤7.5 | ≤10.8 | ≤14.1 | ≤17.4 | ≤21 |
| Uniformity (dB) | ≤0.8 | ≤0.8 | ≤1.0 | ≤1.3 | ≤2.0 | ≤1.0 | ≤1.0 | ≤1.5 | ≤2.0 | ≤2.5 |
| PDL(dB) | ≤0.2 | ≤0.2 | ≤0.19 | ≤0.18 | ≤0.17 | ≤0.2 | ≤0.18 | ≤0.17 | ≤0.16 | ≤0.19 |
| Size(H×W×L)(mm) | 10×80×100 | | 18×80×120 | | 18x115x141 | 10×80×100 | | 18×80×120 | | 18x115x141 |
| Return Loss(dB) | UPC≥50 APC≥55 | | | | | | | | | |
| Directivity(dB) | ≥55 | | | | | | | | | |
| Temperature Range(°C) | -40 ~ +85 | | | | | | | | | |
| Storage Temperature(°C) | -40 ~ +85 | | | | | | | | | |