

PLC Splitter

Mini Type PLC Splitter



**DESCRIPTION**

ANDA TELECOM PLC splitter is based on silicon dioxide waveguides, which is used to connect main equipment and terminal equipment in EPON, BPON and GPON network.

**FEATURES**

- Qualified with CE certificate and ROHS certificate.
- Comply with GR-1209-CORE, GR-1221-CORE, YD/T 2000.1-2014 and IEC criterion.

**HOUSING SIZE AND RIBBION:**

**T 3.1 Mini PLC splitter housing size and ribbon**

|       | nx2, nx4, nx8 |    | 1x16 | 2x16, nx32 | nx64 | Tube type   |
|-------|---------------|----|------|------------|------|---|
| L(mm) | 55            | 60 | 60   | 80         | 100  | Diameter: Φ0.9mm or customized  |
| W(mm) | 7             | 7  | 12   | 20         | 40   | Material: Hytrel, LSZH or customized                                      |
| H(mm) | 4             | 4  | 4    | 6          | 6    | Color: blue, orange, green, brown, grey, white, red, black, or customized |

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**OPTICAL PARAMETER:**

**T4.1 1×N (N≥2) PLC splitter optical parameter**

| Parameter        |                      | 1X2                            | 1x4  | 1x8   | 1x16  | 1x32  | 1x64  |
|------------------|----------------------|--------------------------------|------|-------|-------|-------|-------|
| Wavelength (nm)  |                      | 1260 ~ 1650                    |      |       |       |       |       |
| IL (dB)          |                      | ≤4.1                           | ≤7.4 | ≤10.5 | ≤13.8 | ≤17.1 | ≤20.4 |
| Uniformity (dB)  |                      | ≤0.6                           | ≤0.7 | ≤0.8  | ≤1.0  | ≤1.5  | ≤2.0  |
| RL (dB)          |                      | ≥50(PC); ≥55(APC)              |      |       |       |       |       |
| PDL (dB)         |                      | ≤0.15                          | ≤0.2 | ≤0.2  | ≤0.3  | ≤0.3  | ≤0.3  |
| Directivity (dB) |                      | ≥55                            | ≥55  | ≥55   | ≥55   | ≥55   | ≥55   |
| Environ<br>ment  | Operating temp(°C)   | -40~85°C                       |      |       |       |       |       |
|                  | Storage temp(°C)     | -40~85°C                       |      |       |       |       |       |
|                  | Humidity             | ≤95% (+40°C)                   |      |       |       |       |       |
|                  | Atmospheric pressure | 62~106kPa                      |      |       |       |       |       |
| Fiber            |                      | SM G657A or customized         |      |       |       |       |       |
| Connector        |                      | SC, FC, LC                     |      |       |       |       |       |
| Pigtail (mm)     |                      | 1000, 1500, 2000 or customized |      |       |       |       |       |

**T4.2 2×N (N≥2) PLC splitter optical parameter**

| Parameter        |                    | 2X2               | 2x4  | 2x8   | 2x16  | 2x32  | 2x64  |
|------------------|--------------------|-------------------|------|-------|-------|-------|-------|
| Wavelength (nm)  |                    | 1260 ~ 1650       |      |       |       |       |       |
| IL (dB)          |                    | ≤4.4              | ≤7.7 | ≤10.8 | ≤14.1 | ≤17.4 | ≤20.7 |
| Uniformity (dB)  |                    | ≤0.8              | ≤1.0 | ≤1.0  | ≤1.5  | ≤1.8  | ≤2.0  |
| RL (dB)          |                    | ≥50(PC); ≥55(APC) |      |       |       |       |       |
| PDL (dB)         |                    | ≤0.2              | ≤0.2 | ≤0.3  | ≤0.3  | ≤0.3  | ≤0.4  |
| Directivity (dB) |                    | ≥55               | ≥55  | ≥55   | ≥55   | ≥55   | ≥55   |
| Environ          | Operating temp(°C) | -40~85°C          |      |       |       |       |       |
|                  | Storage temp(°C)   | -40~85°C          |      |       |       |       |       |
|                  | Humidity           | ≤95% (+40°C)      |      |       |       |       |       |

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|      |                      |                                |
|------|----------------------|--------------------------------|
| ment | Atmospheric pressure | 62~106kPa                      |
|      | Fiber                | SM G657A or customized         |
|      | Connector            | SC, FC, LC                     |
|      | Pigtail (mm)         | 1000, 1500, 2000 or customized |

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