

The BC26BOXSPLITTER series comes in various models: 1x(2、4...128) or 2x(2、4...128). The splitter is an optical power management device manufactured using silicon optical wave guide technology, which is used to distribute optical signals from central office to multiple locations. It is the result of the miniaturization of the tape separator. It is mainly used for various connections and distribution boxes or network cabinets.



### Main Features

- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- YD/T 2000.1-2009
- RoHS

### Application

- FTTH (Fiber to the home)
- Access/PON distribution
- CATV system, GPON, EPON
- High reliability/Monitoring/other Network systems
- Data-base transmit broadband net

### Specification

|                             | 1 × 2                     | 1 × 4 | 1 × 8 | 1 × 16 | 1 × 32 | 1 × 64 | 1 × 128 |
|-----------------------------|---------------------------|-------|-------|--------|--------|--------|---------|
| Wavelength (nm)             | 1260 ~ 1650               |       |       |        |        |        |         |
| Fiber type                  | G657A 1or custom-defined  |       |       |        |        |        |         |
| Pigtail length(m)           | 1.0±0.1 or custom-defined |       |       |        |        |        |         |
| Insertion loss (dB)         | ≤3.8                      | ≤7.2  | ≤10.3 | ≤13.6  | ≤16.9  | ≤20.4  | ≤23.5   |
| Loss uniformity(dB)         | ≤0.8                      | ≤1.0  | ≤1.2  | ≤1.5   | ≤1.8   | ≤2.0   | ≤2.0    |
| Return loss (dB)            | ≥55                       |       |       |        |        |        |         |
| PDL (dB)                    | ≤0.2                      | ≤0.2  | ≤0.3  | ≤0.3   | ≤0.4   | ≤0.4   | ≤0.4    |
| Directivity                 | ≥55                       |       |       |        |        |        |         |
| Wavelength related loss(dB) | ≤0.6                      | ≤0.6  | ≤0.6  | ≤0.8   | ≤1.0   | ≤1.0   | ≤1.2    |
| Working temp. (°C)          | -40 ~ 85                  |       |       |        |        |        |         |

|                               |                                                                                                                    |               |             |                |                |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------|-------------|----------------|----------------|
| Store temp. (°C)              | -40 ~ 85                                                                                                           |               |             |                |                |
| Bare fiber (L*W*H mm)         | 40 × 4 × 4                                                                                                         | 50 × 7 × 4    |             | 60 × 12 × 4    | 120 × 26 × 10  |
| ABS package size (L*W*H mm)   | 100 × 80 × 10                                                                                                      | 120 × 80 × 18 |             | 140 × 115 × 18 | 150 × 130 × 25 |
| Micro package size (L*W*H mm) | 55 × 7 × 4                                                                                                         | 60 × 12 × 4   | 80 × 20 × 6 | 100 × 40 × 6   | 120 × 50 × 12  |
| Remark                        | These data not include connector loss, each connector will add 0.25dB loss, each adapter will add extra 0.2dB loss |               |             |                |                |

|                               | 2 × 2                                                                                                              | 2 × 4 | 2 × 8 | 2 × 16        | 2 × 32      | 2 × 64         | 2 × 128        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------|-------|-------|---------------|-------------|----------------|----------------|
| Wavelength (nm)               | 1260 ~ 1650                                                                                                        |       |       |               |             |                |                |
| Fiber type                    | G657A 1or custom-defined                                                                                           |       |       |               |             |                |                |
| Pigtail length(m)             | 1.0±0.1 or custom-defined                                                                                          |       |       |               |             |                |                |
| Insertion loss (dB)           | ≤4.2                                                                                                               | ≤7.5  | ≤10.6 | ≤13.9         | ≤17.2       | ≤20.8          | ≤23.8          |
| Loss uniformity(dB)           | ≤0.8                                                                                                               | ≤1.0  | ≤1.2  | ≤1.5          | ≤1.8        | ≤2.0           | ≤2.0           |
| Return loss (dB)              | ≥55                                                                                                                |       |       |               |             |                |                |
| PDL (dB)                      | ≤0.2                                                                                                               | ≤0.2  | ≤0.3  | ≤0.3          | ≤0.4        | ≤0.4           | ≤0.4           |
| Directivity                   | ≥55                                                                                                                |       |       |               |             |                |                |
| Wavelength related loss(dB)   | ≤0.6                                                                                                               | ≤0.6  | ≤0.6  | ≤0.8          | ≤1.0        | ≤1.0           | ≤1.2           |
| Working temp. (°C)            | -40 ~ 85                                                                                                           |       |       |               |             |                |                |
| Store temp. (°C)              | -40 ~ 85                                                                                                           |       |       |               |             |                |                |
| Bare fiber (L*W*H mm)         | 50 × 4 × 4                                                                                                         |       |       | 50 × 7 × 4    |             | 60 × 12 × 4    | 120 × 26 × 10  |
| ABS package size (L*W*H mm)   | 100 × 80 × 10                                                                                                      |       |       | 120 × 80 × 18 |             | 140 × 115 × 18 | 150 × 130 × 25 |
| Micro package size (L*W*H mm) | 60 × 7 × 4                                                                                                         |       |       | 60 × 12 × 4   | 80 × 20 × 6 | 100 × 40 × 6   | 120 × 50 × 12  |
| Remark                        | These data not include connector loss, each connector will add 0.25dB loss, each adapter will add extra 0.2dB loss |       |       |               |             |                |                |