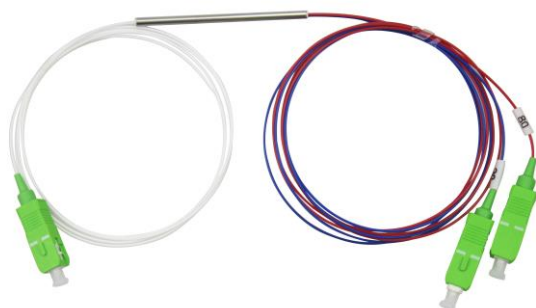


All Band Fiber Coupler Datasheet

Widely used in Telecommunications system/CATV/FTTH Networks.



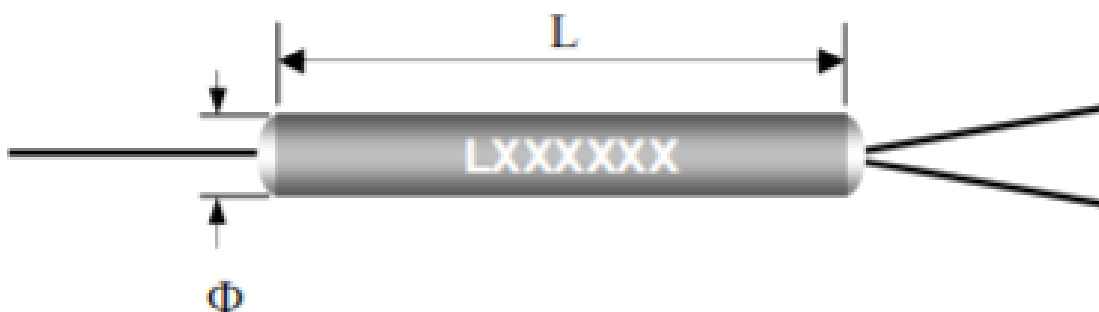
• Description

OPTICO All Band Coupler(ABC) is fabricated by special coupling technology, and its operating bandwidth can be extended to 1260-1620nm, which has advantages of low loss and PDL, high stability and high reliability.

• Features

- Low insertion loss
- High stability and reliability
- Meets TelcordiaGR-1209 and GR-1221, meets ROHS standard
- Mature production technology

• Coupler drawing (Unit: mm):



• Package information:

| Configuration | 1x2 or 2x2 | | |
|-----------------|------------------|------------------|--------------------------|
| Fiber length | As Customized | | |
| Fiber type | 250μm bare fiber | 0.9mm loose tube | 0.9/2.0/3.0mm loose tube |
| Dimensions(ΦxL) | Φ3.0mmx40mm | Φ3.0mmx54mm | L90xW20xH10mm |
| | Φ3.0mmx54mm | | |

• Specifications:

| Parameter | | All Band Coupler |
|--------------------------|-------------------|-------------------|
| Operating wavelength(nm) | | 1260-1620 |
| Operating broadband(nm) | | ±40 |
| Typical excess loss | | ≤0.07 |
| Insertion loss(dB) | 50/50 | ≤3.8 |
| | 45/55 | ≤4.45/3.45 |
| | 40/60 | ≤5.1/3.1 |
| | 35/65 | ≤5.7/2.7 |
| | 33/67 | ≤6.0/2.55 |
| | 30/70 | ≤6.4/2.3 |
| | 25/75 | ≤7.4/2.0 |
| | 20/80 | ≤8.3/1.7 |
| | 15/85 | ≤9.9/1.4 |
| | 10/90 | 9.10~11.10/≤1.15 |
| | 5/95 | 11.90~14.30/≤0.80 |
| | 3/97 | 13.85~16.75/≤0.75 |
| | 2/98 | 15.45~18.75/≤0.70 |
| 1/99 | 18.25~21.95/≤0.65 | |
| PDL(dB) | ≤0.15 | |
| Directivity(dB) | ≥55 | |
| Work Temperature(°C) | | -40~+85 |
| Storage Temperature(°C) | | -40~+85 |