

PRODUCT DATA SHEET

P/N 57-2CD-SCL-00

1x2 DUAL WINDOW OPTICAL SPLITTER



Key features

Based on FBS-Fusion Biconic Splitting technology
 Wavelength independent, 1310-1550 nm
 Low insertion loss and PDL
 Compact & small size
 Available with different combinations of end connectors
 Meet Telcordia GR-1221 standard

Applications

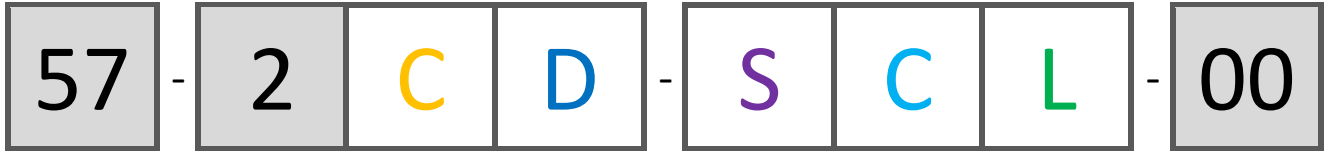
Signal and network monitoring
 FTTx and PON networks
 CATV, Digital TV and SAT-TV
 LANs
 Laboratory equipment and R&D

TECHNICAL SPECIFICATIONS

| Optical characteristics | | | | | | |
|-----------------------------|-------------|--|--------------|--------------|--------------|--------------|
| Wavelength | | 1310±40 nm 1550±40 nm | | | | |
| Fibre type | | G652B/D | | | | |
| Directivity | | ≥55 dB | | | | |
| Return loss | | ≤ -55 dB | | | | |
| TDL | | Signal path: < 0.10 dB; Tap path < 0.15 dB | | | | |
| | | Split Ratio | | | | |
| | | 90/10 | 80/20 | 70/30 | 60/40 | 50/50 |
| IL ¹ (dB) | Signal side | ≤0.65 | ≤1.25 | ≤2.0 | ≤2.7 | 2.7~3.6 |
| | Tap side | 9.6~11.3 | 6.5~7.8 | 4.7~6.0 | 3.6~4.7 | 2.7~3.6 |
| PDL (dB) | Signal side | ≤0.10 | ≤0.15 | ≤0.15 | ≤0.15 | ≤0.15 |
| | Tap side | ≤0.15 | ≤0.15 | ≤0.15 | ≤0.15 | ≤0.15 |
| Construction | | | | | | |
| Dimensions | | Un-cased: 250µm fibre: Ø3.0 x 45 mm Cased: 900µm fibre: L90xW20xH10 mm Cased: 2.0 mm fibre: L90xW20xH10 mm | | | | |
| Fibre tails | | 250µm, 900µm or 2.0 mm, different lengths available | | | | |
| Connectors | | According to requirements (see coding) | | | | |
| Environmental | | | | | | |
| Operating temperature range | | -40~+75°C | | | | |
| Storage temperature range | | -40~+85°C | | | | |
| Packing | | Individual, blister type | | | | |

¹ Not including connector's IL

PRODUCT CODING



| Connector | CABLE SECTION | SPLIT RATIO | CASE | FIBRE LENGTH |
|-----------|---------------|-------------|------------|--------------|
| 0: NONE | 0: 250 µm | 0: 90/10 | 0: no case | 0: 0.25 m |
| 1: ST | 1: 900 µm | 1: 80/20 | 1: Plastic | 1: 0.5 m |
| 2: SC | 2: 2.0 mm | 2: 70/30 | | 2: 1 m |
| 3: FC | | 3: 60/40 | | 3: 2 m |
| 4: LC | | 4: 50/50 | | |
| 5: MU | | | | |
| 7: SC/APC | | | | |
| 8: FC/APC | | | | |
| 9: LC/APC | | | | |