



1x7 (1x8) Monolithic Single Mode Coupler (SSC)



Overview:

1x7, 1x8 monolithic couplers are designed for the fiber sensors and test instruments which need compact package size and multiple fiber splitter

Features:

- * Mini size
- * Low PDL
- * High stability and reliability

Applications:

- * Fiber sensors
- * Testing instruments

Specification:

| Parameter | Type | 1x7 | | 1x8 | |
|----------------------------|---------------------------|-----------|---------------------------------|-------|-------|
| | Operating wavelength (nm) | | 1310 or 1550, others on request | | |
| Operating bandwidth (nm) | | ±15 | | | |
| Grade | | P | A | P | A |
| Typical excess loss (dB) | | 0.3 | 0.4 | 0.4 | 0.5 |
| Insertion loss (dB) | | <10.0 | <10.5 | <10.8 | <11.5 |
| PDL (dB) | | <0.2 | <0.3 | <0.2 | <0.3 |
| Uniformity (dB) | | <1.3 | <2.4 | <2.0 | <2.5 |
| Directivity (dB) | | >55 | | | |
| Operating temperature (°C) | | -40 ~ +85 | | | |

*Other specifications can be made on customer request.

Package Information:

| | |
|-------------------|----------------------------|
| Configuration | 1×7 or 1×8 |
| Fiber lead length | 1 meter, others on request |
| Fiber type | 250μm bare fiber |
| Dimensions (φ×L) | φ3.0mm×54mm |

*Other package dimensions can be made on customer request.

Ordering Information:

SSC-X-XXX-XXXX-XX/XX-X-X-XX/XXX-XX*XX

