

# 0204 1xN Coupler Array

**C9005-S**



## 1x8 1310 nm/1550 nm Splitter/Mux Module

The module is 1x8 1310 nm/1490 nm/1550 nm splitter/mux module, coupling ratio: 50%/50%. This highly reliable coupler module offers very low insertion loss, low polarization dependence and excellent environmental stability. It can be used for optical communication, HFC & fiber sensors, fiber laser, optical amplifier and photonics integration.

### FEATURES

- Low Excess Loss
- Low Insertion Loss
- Low PDL
- High Stability and Reliability

### USE IN

- Optical Communication
- Local Area Network
- FTTH & LAN
- HFC & Fiber Sensors

Operating Wavelength	1310 nm/1550 nm
Port Configuration	1x8
Fiber Type	SMF-28e with 900 μm Loose Tube
Directivity	50 dB min.
Isolation Cn-On (1310 nm)	23 dB min.
Insertion Loss IN-Cn	7.8 dB max.
Insertion Loss Cn-On	0.45 dB max.

### Wavelength Tested: 1310 nm

Channel	IN-C1	IN-C2	IN-C3	IN-C4
Insertion Loss	0.06 dB	0.10 dB	0.09 dB	0.07 dB

### Wavelength Tested: 1550 nm

Channel	IN-C1	IN-C2	IN-C3	IN-C4
Insertion Loss	6.83 dB	6.87 dB	6.91 dB	6.87 dB

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 μm, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**