

## Couplers

A coupler is a component used to distribute optical power among two or more ports by combining or splitting the signal for a number of inputs or outputs. Our couplers are available in a wide range of configurations (1X2, 1X3, 2X2) and several sizes (900 µm or 2 mm).



- Wide range of coupling ratios.
- Huge selection of jacket materials and connectors.
- Compact format.
- All connectors are inspected and tested according to IEC standards.

### Technical characteristics

Parameters	Unit	U	A
Polishing (operating mode)		UPC (SM)	APC (SM)
Port configuration	dB	1X2, 2X2, 1X3	
Fibre type		Corning single-mode SMF-28	
Return loss (typical value)	dB	-55.0 (-58)	-65.0 (-68)
Directivity	dB	>55	
Operating wavelength	nm	1310/1550 standard, wideband or custom wavelength	
Operating temperature	°C	-40 to 70	
Maximum PDL	dB	0.1	
Excess loss	dB	0.1	

Coupling ratio	Insertion loss* (dB)
50/50	3.5
40/60	4.7/2.7
30/70	6.0/1.9
20/80	7.9/1.3
10/90	11.3/0.7

\*Insertion loss without connectors.

The Series + includes geometric qualification.

All products ordered from O-m6 can be customized to meet your requirements.

| Questions? | **Contact us at 450 979-2275** | [inf@om6.com](mailto:inf@om6.com)

Technical features subject to change without notice