

Optical Fibre Combiner

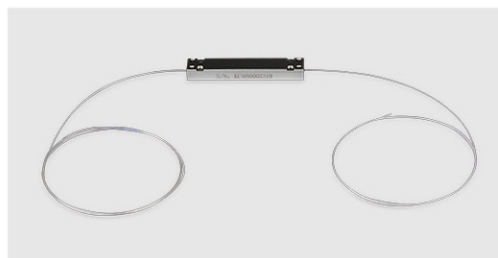
The multi-mode pump combiner is designed for high power EDFA. Excellent optical properties are obtained by the use of unique fusion tapering process. The input port includes two pump channels, and one signal channel, and the output port is double cladding fibre. The fibre type can be customized.

Characteristics

- High pump efficiency
- Low insertion loss
- Customized

Applications

- CATV system
- Communication system



Specifications

Product Type	MPC1-P12-S476	MPC2-P12-S476
Product Discription	(1+1) × 1 Optical Fibre Combiner	(2+1) × 1 Optical Fibre Combiner
Signal Operating wavelength (nm)	1500 - 1600, Typical 1550	
Pump Operating wavelength (nm)	800 - 1000	
Fibre Type		
Input Pump Fibre	SI 105/125 (0.22)	
Input Signal Fibre	G.652.D or DCF 11/125 (0.12/0.46)	
Output Fibre	DCF 11/125 (0.12/0.46)	
Optical Properties		
Pump Efficiency (%)	> 90 (Typical 93)	
Insertion Loss (dB)	< 0.5 (Typical 0.3)	
Isolator (dB)	≥ 25 (Typical 30)	
Max Pump Power per Port (W)	Typical 25	
Environmental Properties		
Operating Temperature (°C)	-5 to +70	
Relative Humidity (RH%)	5 - 95	
Storage Temperature (°C)	-40 to +85	
Appearance		
Dimensions (mm)	5×5×50, 8×12×70	
Fibre Length (m)	1.0	