



flawless fusion with infinite possibilities

SIFAM
FIBRE OPTICS

Multimode Combiner



SIFAM's FFM series Multimode Combiner provides a low loss means of combining light from several pump sources into one fibre.

Made by the controlled fusion of input fibres around a central output fibre, the Combiner enables high coupling efficiency over a wide wavelength range. The input fibres may be readily spliced to commercially available pump sources.

Available as standard in a 7:1 configuration, the Combiner can be manufactured from a range of commercially available multimode input fibres. Output fibre is customer specified.

Other configurations are available. Please contact the sales office for further information.

Key Features:

- 7 input : 1 output
- High coupling efficiency
- Wide bandwidth
- High power handling
- Choice of input fibres

Applications:

- Cladding-pumped fibre lasers

Typical Specification		Unit
Configuration	7 input : 1 output	
Input Fibre Core / Cladding Ø	105 / 125	µm
Input Fibre Numerical Aperture	0.15	
Output Fibre Ø ₁	125 or 200	µm
Output Fibre Numerical Aperture ₁	0.45	
Transmission ₂	>90	%
Housing	Regular Ø3.0 x 50	mm

1. Typical values.

2. Fully filled conditions.

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As part of our policy of continuous product improvement we reserve the right to change specifications at any time

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