



Features and Benefits

- Low optical loss
- Environmentally stable
- Single Wavelength, Wavelength Flattened, and Wideband
- Available in miniature, semi-ruggedized, and fully ruggedized housings
- Manufactured using Optical Fibres SM-02R fiber and supplied with 1m pigtails. Other fiber types and pigtail lengths available on request
- Can be optimized for 1310nm or 1310/1550nm operation

Applications

- Telecommunications
- Passive telephony or CATV networks
- Test equipment
- Optical fiber amplifiers
- Fiber sensors
- As power taps, for assembling symmetrical trees with arbitrary port counts
- For optimizing power budgets in passive networks

Single Mode 5 to 50% Fused Couplers



1x2, 2x2 ports, 1300/1550nm operation

SIFAM's Single Wavelength Couplers give optimum performance at 1300 or 1550nm, or another specified custom wavelength. Wavelength Flattened Couplers offer the same performance over a wavelength band within the 1300 or 1550nm windows. Wideband Couplers perform this function over both the 1300 and 1550nm windows.

SPECIFICATIONS

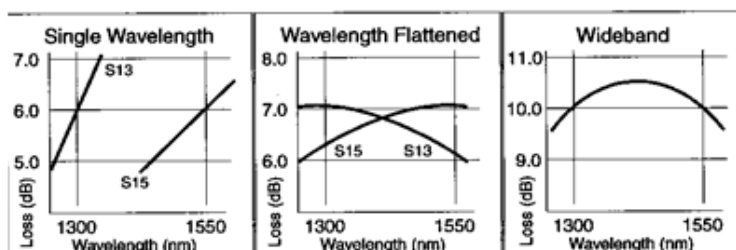
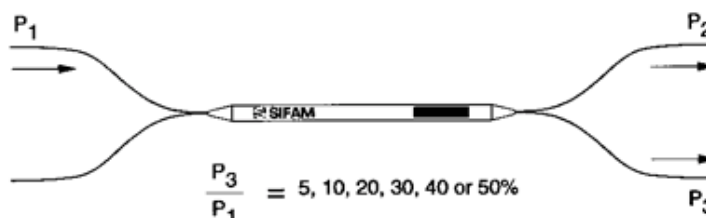
Optical Specifications												
	Single Wavelength (1300nm or 1550nm) Wavelength Flattened (1300 $\pm$ 20nm or 1550 $\pm$ 20nm) or Wideband (1300 $\pm$ 20nm and 1550 $\pm$ 20nm)											
Coupling Ratio	50/50		60/40		70/30		80/20		90/10		95/5	
Grade	A	BB	A	BB	A	BB	A	BB	A	BB	A	BB
Typical Excess Loss (dB)	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2
Max/Min IL (Ports 1-2) (dB)	3.6	3.8	2.8	2.9	2.0	2.2	1.4	1.5	0.8	1.0	0.5	0.6
Max/Min IL (Ports 1-3) (dB)	2.6	2.5	1.9	1.8	1.3	1.2	0.8	0.7	0.3	0.3	0.1	0.1
Directivity (dB)	50											
Return Loss (dB)	50											
PDL (dB)	0.2											

ORDERING INFORMATION

Ordering Codes		
Type	1 x 2	2 x 2
Miniature Housing	L	L
Semi-Ruggedized Housing	P	P
Fully Ruggedized Housing	R	R
Single Wavelength Format Code	2S	22S
Wavelength Flattened Format Code	2SWF	22SWF
Wideband Format Code	2SWB	22SWB
Operating Wavelength 1300nm	13	13
Operating Wavelength 1500nm	15	15
Operating Wavelength 1300/1500nm	13/15	13/15
Insertion Loss Grade A	A	A
Insertion Loss Grade BB	BB	BB
Coupling Ratio 50%	50	50
Coupling Ratio 40%	40	40
Coupling Ratio 30%	30	30
Coupling Ratio 20%	20	20
Coupling Ratio 10%	10	10
Coupling Ratio 5%	05	05

eg.:

R	2SWF	15	BB	20
Housing Code	Format Code	Operating Wavelength	Grade	Coupling Ratio



FOR ADDITIONAL INFORMATION ON THIS OR OTHER PRODUCTS AND THEIR AVAILABILITY, PLEASE CONTACT FIBER OPTIC CENTER, INC.