



### Features and Benefits

- Flat wavelength response
- Low PDL
- Proven reliability
- Available in miniature, semi-ruggedized and fully ruggedized housings

## EDFA Tap Couplers (C-band) and 980nm Couplers



### 1530-1560nm or 980nm operation

SIFAM's single mode Erbium Doped Fibre Amplifier (EDFA) tap couplers are optimized for signal monitoring in C-band EDFAs over 1530-1560nm. They process low PDL and a flat wavelength response across the Erbium gain spectrum. Standard tap ratios are 1, 3, 5, 10 or 50%. Custom ratios are also available.

SIFAM's low-loss 980nm couplers are designed for those EDFA applications which require the splitting of pump power. Couplers optimized for other pump wavelengths such as 1480nm and 1054nm are also available.

### SPECIFICATIONS

Optical Specifications	Tap couplers									
Operating Wavelength Range (Signal)	1530 to 1560 nm									
Coupling Ratio	1%		3%		5%		10%		50%	
Grade	AA	A	AA	A	AA	A	AA	A	AA	A
Typical Excess Loss (dB)	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.1
Max. Insertion Loss (Ports 1-2) (dB)	0.2	0.3	0.3	0.4	0.4	0.5	0.7	0.8	3.3	3.6
Max. Insertion Loss (Ports 1-3) (dB)	21.5	23	16	17	14	14.5	11	11.5	3.3	3.6
Wavelength Dependence of Tap Insertion Loss (dB)	0.2	0.4	0.15	0.3	.15	0.3	0.1	0.1	0.2	0.1
Directivity (dB)	50									
Return Loss (dB)	50									
PDL (dB) (Tap Port)	0.2	0.3	0.15	0.25	0.15	0.25	0.1	0.2	0.1	0.1

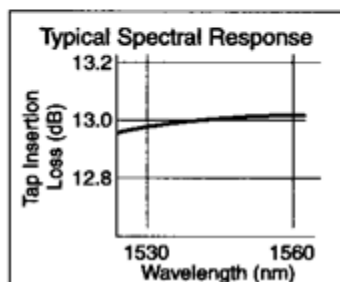
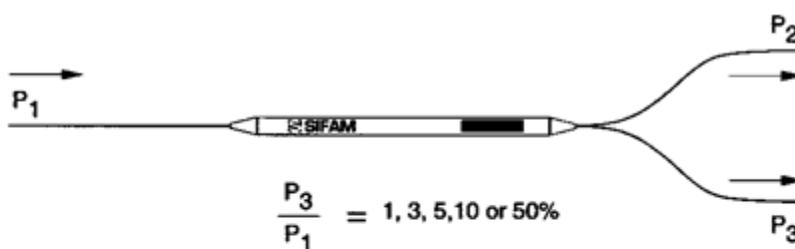
Optical Specifications					980nm couplers			
Operating Wavelength Range (Signal)					980nm			
Coupling Ratio					1%	5%	20%	50%
Grade	A	AA	A	AA	A	AA	A	AA
Typical Excess Loss (dB)	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2
Max. Insertion Loss (Ports 1-2) (dB)	0.2	0.3	0.4	0.5	1.3	1.5	3.3	3.6
Max. Insertion Loss (Ports 1-3) (dB)	21.5	23.0	14.7	15.0	8.0	8.4	3.3	3.6
Directivity (dB)					50			
Return Loss (dB)					50			
PDL (dB) (Tap Port)					0.2			

## ORDERING INFORMATION

Ordering Codes		
Port Configuration	1 x 2	2 x 2
Primary Coated Pigtailed (250 µm)	L	L
900 µm Loose-Tube Pigtailed	P	P
Operating Wavelength 980 nm	2S98	22S98
Operating Wavelength 1550 nm	2SEWF15 -	
Grade AA	AA	AA
Grade A	A	A
Coupling Ratio 1%	10	01
Coupling Ratio 3%	03	03
Coupling Ratio 5%	05	05
Coupling Ratio 10%	10	10
Coupling Ratio 50%	50	50

eg.:

L	2SEWF	15	AA	03
Housing Code	Format Code	Operating Wavelength	Grade	Tap Ratio



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