Singlemode Tree & Star Couplers

Concatenated Single Wavelength Tree and Star Couplers

These concatenated devices feature low insertion loss, excellent uniformity and high directivity. They are excellent for fiber access networks and CATV distribution. Typical wavelengths are 1310nm or 1550nm; other wavelengths and port counts are also available.

Gould can manufacture components with a variety of standard and specialty fiber types.

Specifications for 1310nm or 1550nm Port Configuration	Parameter	SERIES 1	SERIES 2
Nx4 (N=1, 2, 4)	Insertion Loss	6.9dB	7.5dB
	Uniformity	1.3dB	2.2dB
Nx8 (N=1, 2, 8)	Insertion Loss	10.2dB	11.3dB
	Uniformity	1.9dB	3.2dB
Nx16 (N=1, 2, 16)	Insertion Loss	13.6dB	15.1dB
	Uniformity	2.5dB	4.4dB

Product Number: (For Corning SMF-28™ Fiber)

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Series		Wavelength	Port configuration	Package style	Connector style
1, 2	03 = 100 kpsi 32 = 200 kpsi	31 = 1310nm 55 = 1550nm	14 = 1 X 4 24 = 2 X 4 44 = 4 X 4 18 = 1 X 8 28 = 2 X 8 88 = 8 X 8 51 = 1 X 16 52 = 2 X 16 53 =16 X 16	Use modular box enclosures only. See page 22.	0 = none See page 23.

Concatenated Wavelength Flattened Singlemode Trees and Star Couplers

Specifications for 1310nm or 1550nm Port Configuration	Parameter	SERIES1	SERIES 2
Nx4 (N=1, 2, 4)	Insertion Loss	6.9dB	7.5dB
	Uniformity	1.3dB	2.2dB
Nx8 (N=1, 2, 8)	Insertion Loss	10.2dB	11.3dB
	Uniformity	1.9dB	3.2dB
Nx16 (N=1, 2, 16)	Insertion Loss	13.6dB	15.1dB
	Uniformity	2.5dB	4.4dB

Product Number: (For Corning SMF-28™ Fiber)

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Series		Wavelength	Port configuration	Package style	Connector style
1, 2	03 = 100 kpsi 32 = 200 kpsi	31 = 1310nm 55 = 1550nm	14 = 1 X 4 24 = 2 X 4 44 = 4 X 4 18 = 1 X 8 28 = 2 X 8 88 = 8 X 8 51 = 1 X 16 52 = 2 X 16 53 =16 X 16	Use modular box enclosures only. See page 22.	0 = none See page 23.