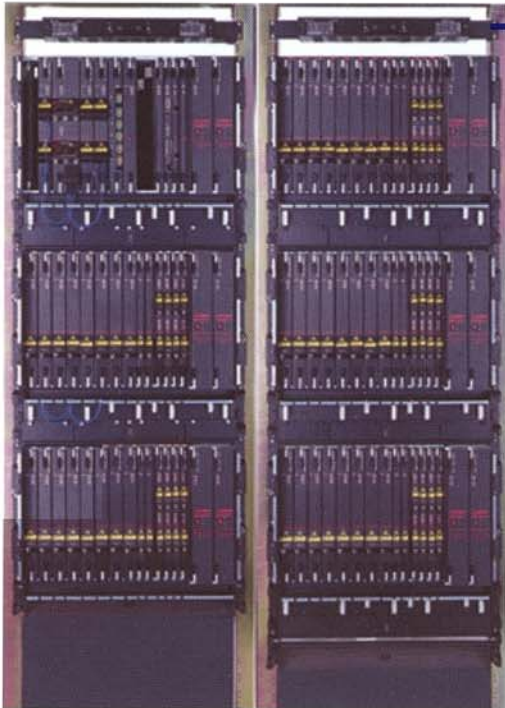


Short Wavelength Singlemode Couplers

780nm, 820nm, 850nm, 980nm, 1060nm

Short wavelength singlemode couplers are small in size and offer low optical loss and minimal reflection for noise sensitive systems. These devices are well-suited for sensor applications, duplex transmission on a single fiber, and small percentage power taps.



Telecommunication systems depend on the high reliability of Gould components.

Specifications based on 50/50 coupling ratio

	SERIES 1	SERIES 2
Insertion Loss	≤ 3.4dB	≤ 3.7dB
Uniformity	≤ 0.6dB	≤ 1.0dB
Typical Thermal Stability		≤ ±0.1dB
Typical Polarization Sensitivity		≤ ±0.1dB
Typical Directivity	2x2 1x2	≥ 65dB ≥ 40dB

Options:

Coupling Ratios: From 1 to 99%. Typical insertion loss values for common split ratios are in the table on page 4.

Wavelengths: 780nm, 820nm, 850nm, 980nm, 1060nm

Fiber Type: Corning Flexcor™ fiber. Other fiber types available upon request.

Packaging: Available in package 12 and can be repackaged into styles 22, 25, 31 and modular boxes. Packages and connectors are described on pages 20-23.

Port Configuration: 1xNs available upon request.

Product Number:

2 2 - _____ - _____ - _____ 1

Series	Wavelength	Coupling ratio	Port configuration	Package Style	Connector style
1, 2	0678 = 780nm 0682 = 820nm, 0685 = 850nm, 5/125 μm fiber; 2798 = 980nm, 6/125μm fiber 2706 = 1060nm, 6/125μm fiber	10 = 10/90 50 = 50/50 etc.	1 = 1 X 2 2 = 2 X 2	12, 22, 25 or 31	0 = none See page 23

For example:

The part number for a series 1, 1x2 singlemode coupler, optimized for the 980nm wavelength, with a 50/50 splitting ratio, in package style 22 and no connectors would be:

22 - 12798 - 50 - 12201