HIGH PRECISION TAP COUPLERS

Gould's high precision fiber optic Tap couplers offer extremely high precision in controlling the coupling ratios ranging from 0.1% to 0.001%.

Specifications				
Coupling Ratio		0.1%	0.01%	0.001%
Tap Insertion Loss (dB)		30	40	50
Excess Loss (dB)		0.1		
Directivity (dB)	2x2	≥ 65		
	1x2	≥ 50		
	1x2 w/LRT™	≥ 60		
Operating Wavelength (nm)		Select from 630 to 1620		
Fiber Type		Single mode for the selected wavelength		
Package		12, 20, 22, 25, 31 and module boxes		
Operating Temperature(°C)		-40 to +85		
Storage Temperature(°C)		-40 to +85		
Lead Buffer		None (Bare Fiber)		

Features

- High Power Handling
- High Directivity
- Extremely Low Insertion Loss

Applications

- Sensors
- Fiber Amplifiers
- Fiber Lasers
- Test & Measurement

Fibers & Operating Wavelengths		
Fiber Code	Description	Wavelengths (nm) & Codes
32	Corning SMF-28™ 200 kpsi	31:1310 55:1550
79	Nufern 630-HP	63: 630 78: 780... 85: 850
27	Corning HI-1060	97: 970 01: 1010... 06: 1060
06	Corning HI-780	77: 770 81: 810 85: 850.... 90: 900

Product #:

2	4	-	1					-		-					Lead Length
				Wavelength (depending on fiber code)		Tap Ratio (in dB)			Port Configuration		Package Style**		Connector Style		
Fiber				See Fiber & Wavelength table		30	0.1%		1	1x2	12		0	none	1	1 m
79	Nufern 630-HP					40	0.01%		2	2x2	20		2	ST	2	1.5 m
06	Corning HI-780					50	0.001%		9	1x2 w/LRT™	22		3	FC	3	2 m
27	Corning HI-1060										25		4	SC		etc.
32	Corning SMF-28™										31		5	LC		
											module boxes see pg. 44		6	FC/APC		
													7	SC/APC		

Specifications are based on non-connectorized products. For connectorized specifications, please call sales for details. Custom optical & mechanical configurations are available upon request.

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