

1050nm Wide Band Fused Fiber Coupler for OCT

SPEC SHEET

Key Features

- Available for any center wavelength, band width, coupling ratio
- Wide operating wavelength range and excellent flatness
- Available for various fiber options
- High stability of SOP against temperature *SOP: State of Polarization

Optical Specifications

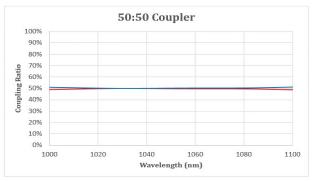


Parameter	Unit	Value
Center Wavelength	nm	1050
Operating Wavelength Band Width	nm	±50
Max. Excess Loss	dB	0.2
Min. Retern Loss	dB	50 (Typ. \geq 55 dB)
Min. Directivity	dB	50 (Typ. \geq 55 dB)
Fiber Type	-	Single mode fiber (Standard: Corning HI 1060)
Operating Temperature	°C	-5 to +75
Storage Temperature	°C	-40 to +85

	Coupling Ratio	Grade	Coupling Ratio Tolerance	Signal Path (1x2: P1→P3) (2x2: P1→P3, P2→P4) Insertion Loss			Tap Path (1x2: P1 \rightarrow P4) (2x2: P1 \rightarrow P4, P2 \rightarrow P3) Insertion Loss		
50	%	A P	$ \pm 5.0 \% \pm 3.5 \% $	VII VII	3.7 3.5	dB dB	VII VII	3.7 3.5	dB dB
30	%	A P	± 4.0 % ± 3.0 %	VII VII	2.0 1.9	dB dB		6.1 5.9	dB dB
20	%	A P	$ \pm 3.5 \% $ $ \pm 2.5 \% $	VII VII	1.4 1.3	dB dB	VII VII	8.0 7.8	dB dB
10	%	A P	$ \pm 3.0 \% $ $ \pm 2.0 \% $	VII VII	0.8 0.8	dB dB		11.7 11.2	dB dB
1	%	A P	$ \pm 0.6 \% $ $ \pm 0.5 \% $	VII VII	0.3 0.3	dB dB		24.2 23.2	dB dB

*Custom-designed parts available.

Typical Optical Specifications



A sample of $1050\pm50\text{m}$, Master Grade Coupler



How to read the specification sheet

