

1310nm 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

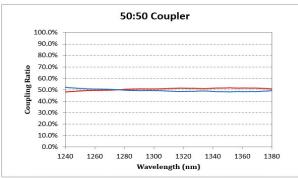


Parameter	Unit	Value
Center Wavelength	nm	1310
Operating Wavelength Band Width	nm	±60
Max. Excess Loss	dB	0.2
Min. Retern Loss	dB	50 (Typ. ≧ 55 dB)
Min. Directivity	dB	50 (Typ. \geq 55 dB)
Fiber Type	-	Single mode fiber (Standard: Corning SMF28e+)
Operating Temperature	°C	-5 to +75
Storage Temperature	°C	-40 to +85

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

*Custom-designed parts available.

Typical Optical Specifications



A sample of $1310\pm60\text{m}$, Master Grade Coupler



How to read the specification sheet

