

1310nm Wide Band Fused Fiber Coupler for Communication

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

Optical Specifications

Parameter	Unit	Value
Center Wavelength	nm	1310
Operating Wavelength Band Width	nm	±40
Max. Excess Loss	dB	0.15
Min. Return Loss	dB	55
Min. Directivity	dB	55
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 Tolerance	Signal Path (1x2: P1→P3) (2x2: P1→P3, P2→P4)		Tap Path (1x2: P1→P4) (2x2: P1→P4, P2→P3)	
			Insertion Loss		Insertion Loss	
50 %	A	± 5.0 %	≦	3.6 dB	≦	3.7 dB
	P	± 3.5 %	≦	3.5 dB	≦	3.5 dB
30 %	A	± 4.0 %	≦	2.0 dB	≦	6.0 dB
	P	± 3.0 %	≦	1.9 dB	≦	5.8 dB
20 %	A	± 3.5 %	≦	1.3 dB	≦	8.0 dB
	P	± 2.5 %	≦	1.3 dB	≦	7.7 dB
10 %	A	± 3.0 %	≦	0.8 dB	≦	11.7 dB
	P	± 2.0 %	≦	0.7 dB	≦	11.1 dB
1 %	A	± 0.6 %	≦	0.2 dB	≦	24.1 dB
	P	± 0.5 %	≦	0.2 dB	≦	23.2 dB

※Custom-designed parts available.