

Dual Window Wavelength Independent Coupler



FEATURES

- ✓ Wavelength Independent Operation
- ✓ Low Excess Loss
- ✓ Low PDL
- ✓ High Stability and Reliability

APPLICATIONS

- Optical Communication System
- Optical Amplifier
- CATV Network
- FTTH

Specifications

Parameters	Grade P	Grade A	Grade P	Grade A	
Port	1x2 or 2x2				
Operating Wavelength (nm)	1310 and 1550; Others on Request				
Bandwidth (nm)	± 40		± 80		
Insertion Loss (dB)	50/50	≤ 3.6	≤ 3.8	≤ 3.8	≤ 4.0
	40/60	$\leq 4.7/2.7$	$\leq 4.9/2.9$	$\leq 5.0/2.8$	$\leq 5.2/3.0$
	30/70	$\leq 6.0/1.9$	$\leq 6.3/2.1$	$\leq 6.4/2.0$	$\leq 6.7/2.2$
	20/80	$\leq 7.9/1.3$	$\leq 8.4/1.4$	$\leq 8.3/1.3$	$\leq 8.7/1.5$
	10/90	$\leq 11.2/0.75$	$\leq 12.0/0.8$	$\leq 11.1/0.75$	$\leq 11.5/0.8$
	5/95	$\leq 14.6/0.4$	$\leq 15.5/0.5$	$\leq 14.8/0.45$	$\leq 15.2/0.5$
	2/98	$\leq 18.8/0.3$	$\leq 19.5/0.4$	$\leq 18.9/0.3$	$\leq 19.5/0.4$
	1/99	$\leq 22.5/0.25$	$\leq 23.5/0.35$	$\leq 22.8/0.25$	$\leq 23.5/0.35$
PDL (dB)	≤ 0.15	≤ 0.20	≤ 0.15	≤ 0.20	
Directivity (dB)	≥ 55				
Fiber Type	SMF-28e Compatible; Others on Request				
Working Temperature (°C)	-40 ~ +85				
Package (mm)	250 μ m Bare Fiber: Steel Tube, $\Phi 3 \times 54 / 45$ 0.9 mm Loose Tube: Steel Tube, $\Phi 3 \times 54$ 2 mm or 3 mm Cable: ABS Box, 90 \times 20 \times 10				

Notes: All the data are tested without connectors. Insertion loss of one pair of connector is less than 0.3 dB.

Other specifications can be made on customer request.



Order Information

	Port	Split Ratio	Grade	Wavelength	Fiber Type	Pigtail	Package	Fiber Length	Connector
Dual Window Coupler	1 × 2	50/50	P	1310/1550	SMF-28e	250 μm	Φ3 × 54	0.50 ± 0.05 m	None
	2 × 2	40/60	A		Custom ...	0.9 mm	90×20×10	1.00 ± 0.1 m	LC/UPC
		30/70				2 mm	Custom ...	Custom ...	LC/APC
		20/80				3 mm			SC/UPC
		10/90							SC/APC
		5/95							FC/UPC
		2/98							FC/APC
		1/99							Custom ...



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