

1310/1490/1550 Three-window Coupler



FEATURES

- ✓ Three Operating Window
- ✓ Low Excess Loss
- ✓ Low PDL
- ✓ High Reliability and Stability

APPLICATIONS

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

Specifications

Parameters	Grade P	Grade A	
Port	1x2 or 2x2		
Operating Wavelength (nm)	1310, 1490 and 1550; Others on Request		
Bandwidth (nm)	1310 ± 40, 1490 ± 10 and 1550 ± 40		
Insertion Loss (dB)	50/50	≤3.6	≤3.8
	40/60	≤4.7/2.7	≤4.9/2.9
	30/70	≤6.0/1.9	≤6.3/2.1
	20/80	≤7.9/1.3	≤8.4/1.4
	10/90	≤11.1/0.75	≤11.9/0.8
	5/95	≤14.5/0.4	≤15.2/0.5
	2/98	≤18.7/0.3	≤19.4/0.4
	1/99	≤22.4/0.25	≤23.5/0.35
PDL (dB)	≤0.15	≤0.20	
Directivity (dB)	≥55		
Fiber Type	SMF-28e Compatible; Others on Request		
Working Temperature (°C)	-40 ~ +85		
Package (mm)	250µm Bare Fiber: Steel Tube, Φ3 × 54 0.9 mm Loose Tube: Steel Tube, Φ3 × 54 2 mm or 3 mm Cable: ABS Box, 90 × 20 × 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
Three-window Coupler	1×2	50/50	P	1310/1490/1550	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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