

# **2x2 Optical Coupler**

### **Description:**

2x2 optical coupler SM, single window 1310 or 1550 + / -20nm Standard-NC (tube) Tree structure Stainless steel tube 2x2 optical coupler SM, single window, stan

2x2 optical coupler, SM, single window, standard-NC (tube), 9/125um, tree structure, 1310 or  $1550\pm$  20nm, stainless steel sleeve ( $\Phi$ 3\*54mm),  $\Phi$ 0.25mm bare fiber, 1m, FC/PC connector.

### Features:

Low insertion loss, low PDL. High directivity, high return loss. All-optical structure. Stainless steel sleeve.

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	From No:QA-018A					
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130111003				SN:		
E	P/N:WP35AV0202C1001	1 4		SIN:	130111003	
	Coupling Ratio			Even		
	Operating Wavelength and Bandwidth(nna)		1310/1550±40			10
	Return Loss (dB)		>50			
	Directivity (dB)		>55			2
1.0	Operating Temperature		0°C to +80°C			
	- Storage Temperature		-55°C to +85°C			
	Fiber Type		Corning SMF-28e with 0.9mm cable			
NA	Port Configuration		2×2			
	Fiber Length(m)		>0.5			
		Connector		FC/PC		
	Package Dimension (mm)		90mm×20mm×9.9mm		mm	
N.		1				
11	Main Specifications	IL(d	-		L(dB)	y
	COM1 → Out 1(50%)	@1310nm	@1550nm	@1310nm	@1550nm	
	COM1 → Out 2(50%)	3.06	3.10 .	0.04	0.02	
	COM2 - Out 1(50%)	3.12	3.11	0.02	0.02	
		3.17	3.23	0.05	0.03	
	CO:M2 → Out 2(50%)	3.09	3.16	0.04	0,02	

## Applications:

FTTH, LAN, PON & Optical CATV Local ring net Optical fiber communication system Optical fiber test equipment Optical fiber sensor

### **Specifications:**

Item	Unit	Specification				
liem		Standard	Wavelength Flattened	Broadband		
Center Wavelength	nm	1310 or 1550	1310 or 1550	1310 or 1550		
Bandwidth	nm	±20	±40	±40		
Coupling Ratio	%		1 ~ 50			
Typical Insertion Loss	dB		≤3.2			
Typical Excess Loss	dB	≪0.15	≪0.2	≪0.2		
PDL	dB	≪0.1	≪0.15	≪0.15		
Directivity	dB		≥60			
Temperature Stability	dB		≪0.002			
Storage Temperature	°C		-40~+70			
Storage Temperature	°C		-40~+85			