

## SINGLE MODE OPTICAL COUPLER

### Features

- Dual windows operation
- Low loss, WDL & PDL
- Stable & reliable
- Available in both 1x2 & 2x2 configuration

### Applications

- Telecommunication networks
- LAN & CATV network



### Specifications

Parameter	Specification							Unit	
Center Wavelength ( $\lambda_c$ )	1310&1550							nm	
Bandwidth	$\pm 40$							nm	
Coupler Ratio	50/50	40/60	30/70	20/80	10/90	5/95	1/99		
Insertion Loss	Max	3.5	4.6/2.7	5.9/1.9	7.8/1.2	11/0.65	14.5/0.4	22.5/0.25	dB
Excess Loss	Typ	0.1							dB
PDL	Max	0.1							dB
Directivity	Min	55							dB
Return Loss	Min	50							dB
Operating Temperature Range	-40~+85 (for 250um bare fiber) -20~+85(for 900um loose tube)							$^{\circ}\text{C}$	
Storage Temperature Range	-40~+85							$^{\circ}\text{C}$	
Package Dimension	See Order Information							mm	

1. All values referenced without connector.

### Order Information

#### WFC-A-B-C-D-E

A	Configuration	12: 1x2 22: 2x2
B	Coupler Ratio	99:1/99 95: 5/95 90: 10/90 80: 20/80 70: 30/70 60: 40/60 50: 50/50...
C	Package Size	A: 40* $\varnothing$ 3.0 (for 250 $\mu$ m bare fiber) 54* $\varnothing$ 3.0 (for 900 $\mu$ m fiber) B: 90mm*16mm*9mm
D	Fiber Type	1: 250 $\mu$ m bare fiber 2: 900 $\mu$ m loose tube fiber 3: 3mm cable 4: 2mm cable
E	Connector Type	0: without connector 1: FC/PC 2: FC/UPC 3: FC/APC 4: SC/PC 5: SC/UPC 6: SC/APC 7: ST 8: LC 9: MU X: Customized