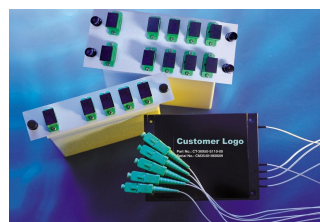


# Dual Window Coupler 1xN

## > 1x4, 1x8, 1x16, 1x32, single mode

### Description

These products are high port count devices that split and combine light over 80nm bandwidth at two operating wavelength region. Many wideband fused taper couplers are cascaded in series to achieve the designed configuration. The products have good uniformity and low excess loss.



### Features

- Low insertion loss
- Low excess loss
- Excellent uniformity
- Low PDL
- Environmentally stable and reliable
- Wide wavelength range

### Applications

- CATV
- Telecommunication
- FTTH
- Local area networks
- Subscriber loop
- Test equipment

### Specifications

Parameters	1x4	1x8	1x16	1x32
Grade	Premium	Premium	Premium	Premium
Operating Wavelength	1310 and 1550 nm $\pm$ 40 nm			
Maximum Insertion Loss	7.0 dB	10.4 dB	14.0 dB	17.5 dB
Maximum Uniformity	1.0 dB	1.6 dB	2.4 dB	3.0 dB
Maximum Polarization Dependent Loss	0.3 dB	0.45 dB	0.6 dB	0.75 dB
Minimum Directivity	55 dB			
Maximum Thermal Stability	0.002 dB/°C	0.003 dB/°C	0.004 dB/°C	0.005 dB/°C
Operating Temperature	-40°C to 85°C			
Storage Temperature	-55°C to 85°C			
Package Dimensions (For ABS Type)	L: 100 mm H: 8 mm W: 80 mm	L: 140 mm H: 10 mm W: 90 mm	L: 140 mm H: 10 mm W: 120 mm	
Package Dimensions (For Sub-Rack Mount)	W: 28 mm H: 3U/133 mm D: 127 mm	W: 58 mm H: 3U/133 mm D: 127 mm	W: 116 mm H: 3U/133 mm D: 127 mm	

\* Value of specification are without connector loss.

Additional components according to your specifications on request!! Please contact Cube Optics for further details.

All information contained herein is believed to be accurate and is subject to change without notice. No responsibility is assumed for its use. Cube Optics AG, its subsidiaries and affiliates, or manufacturer, reserve the right to make changes without notice, to product design, product components and product manufacturing methods. Some specific combinations of options may not be available. Please contact Cube Optics AG for more information.

## Ordering Information

Indicate your requirements by selecting one option from each configuration table. Please write the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact Cube Optics AG at +49-6131-69851-0 or via e.mail at sales@cubeoptics.com, or visit our website at www.cubeoptics.com.

Ordering example: BWTD-3-18-0-A-S-2-55

BWTD -  -   -  -  -  -  -

Wavelength	code
1310/1550 nm	3

Port	code
1x4	14
1x8	18
1x16	16
1x32	32

Package Type	code
ABS	A
Sub-Rack Mount	R

Fiber Length	code
1.0 m	1
2.0 m	2
3.0 m	3

Connector in/out*	code
none	0
SC/PC	1
FC/PC	2
SC/APC**	3
FC/APC**	4
LC/PC	5
MU/PC	6
E2000	7
E2000/HRL**	8
ST/PC	9

Coupling Ratio	code
None	0

Fiber Type	code
250 µm bare fiber*	S
900 µm loose tube	L
3.0 mm cable	H

\* only available without connectors

\* device regarded as demultiplexer  
\*\*8° angular polishing