

## FBT Coupler Dual Window Wideband Coupler

### ➔ Specifications (Based on 50/50)

Parameter	Premium	A Grade
Operating Wavelength Range	1310 & 1550 nm ± 40 nm	
Insertion Loss	≤ 3.6 dB	≤ 3.8 dB
Uniformity	≤ 0.7 dB	≤ 1.0 dB
Return Loss	≥ 55 dB (1x2)	≥ 65 dB (2x2)
PDL	≤ 0.15 dB	≤ 0.20 dB
TDL	≤ 0.2dB	
Operating & Storage Temperature	- 40° C ~ + 85° C	
Package Dimensions	Light Duty ( B )	3.0mm (φ) x 55.0mm (L)
	Medium Duty ( L )	3.0mm (φ) x 60.0mm (L)
	Heavy Duty ( K, R )	100.0mm x 12.0mm x 8.0mm

### ➔ Tap Coupler

Coupling Ratio	Max Insertion Loss	
	Premium	A Grade
40/60	4.7/2.7 dB	5.0/2.9 dB
30/70	6.0/1.9 dB	6.4/2.2 dB
20/80	7.9/1.2 dB	8.5/1.4 dB
10/90	11.3/0.6 dB	12.7/0.8 dB
5/95	15.0/0.4 dB	16.0/0.5 dB
1/99	23.5/0.3 dB	24.0/0.4 dB

Note1: All values specified are without connectors.

Note2: Higher performance specifications are available upon request.

Note3: Fiber Type – Corning SMF-28e.

### ➔ Tree Coupler

* Port #	Max IL		Uniformity	
	Premium	A Grade	Premium	A Grade
1 x 4	7.2 dB	7.6 dB	1.3 dB	1.8 dB
1 x 8	11.0 dB	11.3 dB	2.0 dB	2.4 dB
1 x 16	14.4 dB	15.2 dB	2.7 dB	3.2 dB

\*Other port numbers upon request.

### ➔ Ordering Information

D	W	C	Grade:		Coupling Ratio	Wavelength	Fiber Length	Pigtail Style	Connector
12:	1 x 2	P:	Premium		xy% : xy%	Example	1: 1 meter	(=Package style)	0: None 7: LC/UPC
22:	2 x 2	A:	A Grade		EVEN: even split	1950 = 1950nm	2: 2 meters	B: Bare Fiber	1: FC/PC 8: LC/SPC
14:	1 x 4						S: Special	L: 900 μm loose tube	2: FC/APC 9: Special
18:	1 x 8							K: 2mm cable	3: SC/PC A: FC/UPC
116:	1 x 16							R: 3mm cable	4: SC/APC B: SC/UPC
									5: FC/SPC C: ST
									6: SC/SPC