

## FBT Coupler

### Single Window Short Wavelength Coupler

#### ➔ Specifications (50/50)

Parameter	Premium	A Grade
Operating Wavelength Range	See order information	
Band Pass	± 10 nm	
Insertion Loss (Max)	≤ 3.5 dB	≤ 3.7 dB
Uniformity (Typical)	≤ 0.5 dB	≤ 0.9 dB
Return Loss	≥ 55 dB	
PDL	≤ 0.15 dB	≤ 0.20 dB
TDL	≤ 0.2 dB	
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	4.4/2.5 dB	4.8/2.8 dB
30/70	5.6/1.8 dB	6.1/2.0 dB
20/80	7.6/1.2 dB	8.0/1.3 dB
10/90	10.8/0.6 dB	12.0/0.8 dB
5/95	14.0/0.4 dB	14.5/0.5 dB
1/99	21.0/0.2 dB	21.5/0.3 dB

Note1: All values specified are without connectors.

Note2: Higher performance specifications are available upon request.

#### ➔ Tree Couplers

*Port #	Max IL		Uniformity	
	Premium	A Grade	Premium	A Grade
1 x 4	7.0 dB	7.4 dB	1.3 dB	1.7 dB
1 x 8	10.2 dB	11.3 dB	1.9 dB	2.5 dB
1 x 16	13.6 dB	15.0 dB	2.4 dB	3.5 dB

\*Other port numbers upon request.

#### ➔ Ordering Information

S	W	C							
			<b>Port Number</b>	<b>Grade</b>	<b>Coupling Ratio</b>	<b>Wavelength</b>	<b>Fiber Length</b>	<b>Pigtail Style</b>	<b>Connector</b>
			12: 1 x 2 22: 2 x 2 14: 1 x 4 18: 1 x 8 116: 1 x 16	P: Premium A: A Grade	xy % : xy % EVEN: Even split	A: 630 nm B: 850 nm C: 1060 nm D: 980 nm I: 780 nm J: 1030 nm	1: 1 meter 2: 2 meter S: Special	(=Package style) B: bare fiber L: 900 μm loose tube K: 2mm cable R: 3mm cable	0: None 1: FC/PC 2: FC/APC 3: SC/PC 4: SC/APC 5: FC/SPC 6: SC/SPC 7: LC/UPC 8: LC/SPC 9: Special A: FC/UPC B: SC/UPC C: ST