

FBT Coupler

Single Window Wideband Coupler

➔ Specifications (50/50)

Parameter	Premium	A Grade
Operating Wavelength Range	Center Wavelength \pm 40 nm	
Insertion Loss (Max)	\leq 3.5 dB	\leq 3.7 dB
Uniformity (Typical)	\leq 0.5 dB	\leq 0.7 dB
Return Loss	\geq 55 dB (1x2) \geq 65dB (2x2)	
PDL	\leq 0.10 dB	\leq 0.15 dB
TDL	\leq 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	4.4/ 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.

Note3: Fiber Type – Corning SMF-28e.

➔ Tree Couplers

*Port #	Max IL		Uniformity	
	Premium	A Grade	Premium	A Grade
1 x 4	7.0 dB	7.4 dB	1.0 dB	1.4 dB
1 x 8	10.2 dB	10.8 dB	1.5 dB	1.8 dB
1 x 16	14.0 dB	14.8 dB	2.0 dB	2.8 dB

*Other port numbers upon request.

➔ Ordering Information

S	W	C	Grade		Coupling Ratio	Wavelength	Fiber Length	Pigtail Style	Connector
12: 1 x 2	22: 2 x 2	14: 1 x 4	P: Premium	A: A Grade	xy % : xy % EVEN: Even split	E: 1310 nm F: 1480 nm G: 1510 nm H: 1550 nm L: 1625 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 7: LC/UPC 1: FC/PC 8: LC/SPC 2: FC/APC 9: Special 3: SC/PC A: FC/UPC 4: SC/APC B: SC/UPC 5: FC/SPC C: ST 6: SC/SPC
18: 1 x 8		116: 1 x 16							