

FBT Coupler

Ultra Low PDL Single Window Wideband Coupler

➔ Specifications (50/50)

Parameter	Premium	A Grade
Operating Wavelength Range	1310 ± 20 nm or 1550 ± 20 nm	
Insertion Loss	≤ 3.5 dB	≤ 3.7 dB
Uniformity	≤ 0.6 dB	≤ 0.9 dB
Return Loss	≥ 55 dB (1x2) ≥ 65dB (2x2)	
PDL	≤ 0.03 dB	≤ 0.05 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 unless otherwise specified.

➔ Ordering Information

S	W	C	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Number				Grade		Coupling Ratio		Central Wavelength		Fiber Length		Pigtail Style			Connector				
12: 1 x 2 22: 2 x 2				P: Premium A: A Grade		xy % : xy %		E: 1310 nm H: 1550 nm		1: 1 meter 2: 2 meter S: Special		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				