

## FBT Coupler

### Ultra Flat Dual Window Coupler 50/50

#### ➔ Specifications (50/50)

Parameter	Premium	A Grade
Operating Wavelength Range	1310 ± 50 nm & 1550 nm ± 75 nm	
Insertion Loss	≤ 3.6 dB	≤ 3.8 dB
Uniformity	≤ 0.8 dB	≤ 1.0 dB
Return Loss	≥ 55 dB (1x2) ≥ 65 dB (2x2)	
PDL	≤ 0.15 dB	
TDL	≤ 0.2 dB (-10°C ~ +75°C) ≤ 0.35 dB (-40°C ~ +85°C)	
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

#### ➔ Tree Couplers (equal split)

*Port #	Max IL		Uniformity		PDL
	Premium	A Grade	Premium	A Grade	
1 x 4	7.4 dB	7.8 dB	1.5 dB	1.8 dB	0.3 dB
1 x 8	11.2 dB	11.6 dB	2.2 dB	2.6 dB	0.4 dB
1 x 16	14.8 dB	15.4 dB	3.0 dB	3.6 dB	0.5 dB

Note1: All values specified are without connectors.

Note2: Higher performance specifications are available upon request.

Note3: Fiber Type – Corning SMF-28e.

#### ➔ Ordering Information

U	F	D	Grade		Coupling Ratio	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	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/UFC 8: LC/SPC 9: Special A: FC/UFC B: SC/UFC C: ST