

## FBT Coupler

### Compact Size Single Window Wideband Coupler

#### ➔ Specifications (50/50)

Parameter	Premium	A Grade
Operating Wavelength Range	1310 or 1550 ± 40 nm	
Insertion Loss (Max)	≤ 3.5 dB	≤ 3.7 dB
Uniformity (Typical)	≤ 0.5 dB	≤ 0.8 dB
Return Loss	≥ 55 dB (1x2) ≥ 65dB (2x2)	
PDL	≤ 0.10 dB	≤ 0.15 dB
TDL	≤ 0.2dB (-10°C ~ +75°C) ≤ 0.35dB (-40°C ~ +85°C)	
Operating & Storage Temperature	- 40° C ~ + 85° C	
Package Dimensions	Light Duty ( B )	3.0mm (Φ) x 35.0mm (L)
	Medium Duty ( L )	3.0mm (Φ) x 45.0mm (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	7.4/1.1 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.

#### ➔ Ordering Information

<b>S</b>	<b>W</b>	<b>C</b>	<b>C</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<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			P:	Premium	xy % :	xy %	E:	1310 nm	1:	1 meter	B:	bare fiber	0:	None	7:	LC/UPC		
22:	2 x 2			A:	A Grade			H:	1550 nm	2:	2 meter	L:	900 μm loose tube	1:	FC/PC	8:	LC/SPC		
										S:	Special	K:	2mm cable	2:	FC/APC	9:	Special		
												R:	3mm cable	3:	SC/PC	A:	FC/UPC		
														4:	SC/APC	B:	SC/UPC		
														5:	FC/SPC	C:	ST		
														6:	SC/SPC				