FBT COUPLER

1x3 Single Fused Wideband Coupler

Specifications:

Parameter				
Operating Wavelength (λ)	1310 or 1550 nm ± 20 nm		1311 or 1550 nm ± 40 nm	
Grade	Premium	A Grade	Premium	A Grade
Insertion Loss (Max)	≤ 5.3 dB	≤ 5.6 dB	≤ 5.5 dB	≤ 6.0 dB
Uniformity (Typical)	≤ 0.5 dB	≤ 0.8 dB	≤ 0.8 dB	≤ 1.2 dB
PDL	≤ 0.10 dB	≤ 0.15 dB	≤ 0.10 dB	≤ 0.15 dB
Return Loss	≥ 50 dB			
TDL	0.2 dB (-10°C ~ +75°C)		0.4 dB (-40°C ~ +85°C)	
Operating & Storage Temperature	-40°C ~ +85°C			
Package Dimensions	Bare Fiber Package (B)	ϕ 3.0mm x 55.0mm		
	900 um Loose ubing (L)	ϕ 3.0mm x 70.0mm		

Tap Coupler

R	Coupling Ratio	Insertion Loss	
		Premium	A Grade
1	10/45/45	11.5/4.6/4.6 dB	11.8/4.8/4.8 dB
2	20/40/40	8.2/5.2/5.2 dB	8.5/5.4/5.4 dB
3	30/35/35	6.2/5.6/5.6 dB	6.5/5.8/5.8 dB
4	40/30/30	5.2/6.2/6.2 dB	5.5/6.5/6.5 dB
5	50/25/25	4.2/7.2/7.2 dB	4.4/7.5/7.5 dB
6	60/20/20	3.4/8.3/8.3 dB	3.5/8.5/8.5 dB
7	70/15/15	2.6/9.6/9.6 dB	2.8/9.8/9.8 dB
8	80/10/10	2.2/11.0/11.0 dB	2.4/11.5/11.5 dB

Note1: All values specified are without connectors.
Note2: Fiber Type – Corning SMF-28, Other upon request.

Order Information:

S W W C [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

- Port Number: 13: 1 x 3
- Grade: P: Premium; A: A Grade
- R: Coupling Ratio
- Wavelength: E: 1310 nm; F: 1480 nm; G: 1510 nm; H: 1550 nm; L: 1625 nm
- Fiber length: 1: 1meter; 2: 2meter; S: Special
- Pigtail style: (=package style) B: bare fiber; L: 900 μm loose tube
- Connector: 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

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