

## FBT Coupler

### Features

- Passed Telcordia GR-1221-CORE reliability tests (over 1500 hours tests under 85%RH and 85°C).
- Low excess loss.

### Specification

Parameter	Unit	1×2 Single Mode coupler		
wavelength	nm	1310&1550		
Bandwidth	nm	± 40		
Grade	-	P	S	
Insertion Loss	dB(max)	1/99	22.5/0.25	23.5/0.3
		2/98	18.8/0.3	19.5/0.35
		5/95	14.6/0.4	15.5/0.5
		10/90	11.5/0.65	12.0/0.8
		20/80	7.9/1.2	8.0/1.4
		30/70	5.9/1.9	6.0/2.1
		40/60	4.7/2.7	4.9/2.9
		50/50	3.6/3.6	3.8/3.8
Uniformity	dB(max)	50/50	0.5	0.7
PDL	dB(max)		0.2	0.25
Return Loss	dB(max)		55	
Operating Temperature	°C	50/50	-40~+85	

Parameter	Unit	1×2 Multi-mode coupler		
Wavelength	nm	850&1300		
Bandwidth	nm	± 20		
Grade	-	P	S	
Insertion Loss	dB(max)	20/80	7.8/1.4	8.1/1.7
		30/70	6.0/2.3	6.3/2.4
		40/60	4.7/2.7	5.0/3.0
		50/50	3.7/3.7	4.0/4.0
Uniformity	dB(max)	50/50	0.5	0.7
Directivity	dB(max)		35	
Operating Temperature	°C	50/50	-40~+85	

Information and specifications are subject to change without notice.  
Please visit [www.china-tscom.com](http://www.china-tscom.com) for more information

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