

1x2 (2x2) Tap-Filter Coupler

Features

- Low insertion loss
- Low excess loss
- Low PDL
- Dual operating window
- High stability and reliability



Application

- Optical communication systems
- CATV/FTTH

Performance Specifications

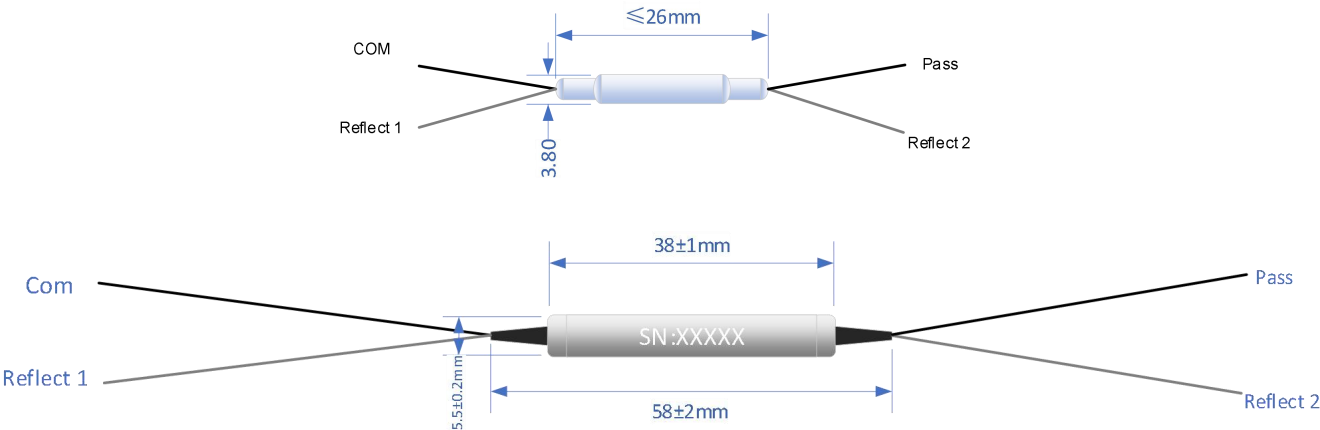
Parameters	Specification
Operating Wavelength(nm)	850 ± 40/1300 ± 40
Testing Wavelength(nm)	850/1310
PDL(dB)	≤0.15
Return Loss(dB)	≥30
Directivity(dB)	≥30
Max Optical Power(mW)	≤500
Operating Temperature(℃)	-40~+85
Storage Temperature(℃)	-40~+85
Splitting Ratio Tolerance	
Splitting Ratio	Insertion Loss(dB)
50/50	≤3.8
45/55	≤4.4/3.4
40/60	≤4.9/2.9
35/65	≤5.7/2.6
33/67	≤6.0/2.4
30/70	≤6.3/2.1
25/75	≤7.3/1.9
20/80	≤8.4/1.4
15/85	≤10.0/1.2
10/90	8.80~11.40/≤0.8
5/95	11.60~14.60/≤0.5
3/97	13.60~17.05/≤0.45
2/98	15.15~19.00/≤0.4
1/99	17.95~22.25/≤0.35

*The above specification is without connector

Package Information

Configuration	1x2 or 2x2		
Fiber Length	1m , or others on request		
Fiber Type	50/125 or 62.5/125 Multi-Mode fiber		
Pigtail Type	250um bare fiber	900um loose tube	900um/2mm/3mm loose tube
Dimensinons(mm)	Ø3.8xL26	Ø5.5xL38	L90xW20xH10

Dimensions:



Order information:

TAP-WDM PN: TWDM-XXXXXXXX-XX (TWDM+8 Code+2 Serial Number)															
TWDM	X		X		X		X		X		X		XX		XX
	Channel		Center Wavelength		Package Type		Fiber Jacket		Fiber Length		Connector		Splitting Ratio		
	1	1×1	1	780	1	Glass:4.0×25	0	250um Bare Fiber	0	0.5m	0	none	01	1/99	S N
	2	1×2	2	850	2	Glass:3.2×25	1	0.9mm Loose Tube	1	1.0m	1	SC/UPC	02	2/98	
	3	2×2	3	980	3	Steel:5.5×34	2	2.0mm Loose Tube	2	1.5m	2	SC/APC	03	3/97	
	4	2×4	4	1310	4	Steel:5.5×38	3	3.0mm Loose Tube	3	2.0m	3	FC/UPC	...	...	
S		Special	5	1490	5	Steel:3.8×34	4	0.9mm Tight Tube	4	2.5m	4	FC/APC	48	48/52	
			6	1550	5	90×20×10 ABS	5	2.0mm Tight Tube	5	3.0m	5	LC/UPC	49	49/51	
			7	1310&1490	6	100×80×10 ABS	6	3.0mm Tight Tube	6	3.5m	6	LC/APC	50	50/50	
			8	1310&1550	7	Glass:2.0×15	M	MM Fiber	7	0.7m	7	ST/UPC	0S	Special	
			9	1490&1550	H	Metal Box	P	PM Fiber	8	1.2m	8	E2000			
			0	1310&1490&1550	K	Rackmount	S	Special	9	2.7m	9	MPO			
			S	Special	L	LGX Box	S	Special	S	Special	S	Special			