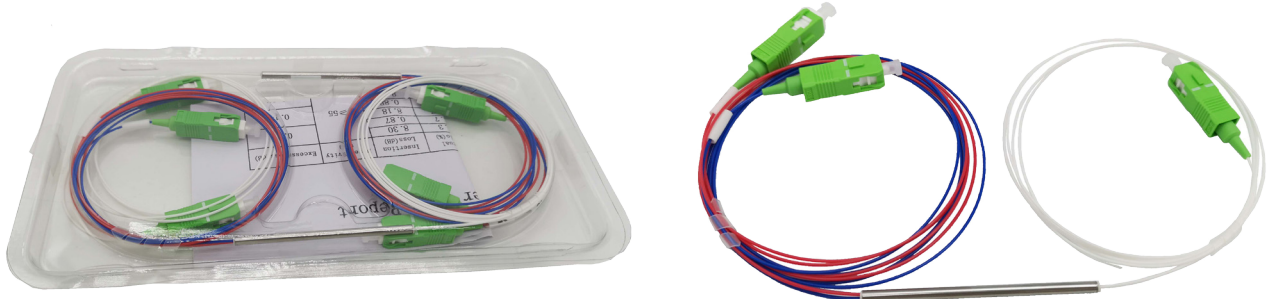


## SINGLE MODE STEEL TUBE FBT COUPLERS



Single mode Coupler 1x2, 2x2 offer very low insertion loss, low polarization dependence and excellent environmental stability. Accurate coupling ratio from 50/50 to 1/99, fiber type 250um bare fiber, 3mm and 900um loose tube fiber are available with very tight uniformity in a wide wavelength. It is applicable to perform power splitting and monitoring functions in all kinds of optical communication systems.

### FEATURES

- Low excess loss
- Customized packaging available
- Environmentally stable
- High return loss
- Low PDL

### APPLICATION

CATV, LAN,  
FTTH Access Network  
Telecom, optic fiber communication system  
Monitoring system  
Optic fiber sensor  
Testing device



# SINGLE MODE STEEL TUBE FBT COUPLERS

Coupling ratio insertion loss conversion chart		
Coupling ratio ( 1~50)	Insertion loss	
	Premium grade	A Grade
50/50	≤3.4	≤3.6
45/55	≤3.9/3.0	
40/60	≤4.4/2.6	≤4.7/2.8
35/65	≤5/2.25	
30/70	≤5.7/1.9	≤6.0/2.0
25/75	≤6.6/1.57	
20/80	≤7.6/1.25	≤8.0/1.35
15/85	≤8.7/0.95	
10/90	9.2~11.0/≤0.65	9.0~11.2/≤0.80
5/95	12.0~14.2/≤0.40	11.75~14.45/≤0.50
3/97	14.05~16.55/≤0.30	13.73~16.85/≤0.40
2/98	15.7~18.5/≤0.25	15.35~18.85/≤0.35
1/99	18.55~21.6/≤0.20	18.15~22.0/≤0.30
PDL	≤0.10	≤0.15
Return loss	≥50	
Directivity (dB)	≥55	
Technical parameters		
Wavelength	1310nm, 1490nm, 1550nm	
Operating Temperature (°C)	-105	
Storage Temperature (°C)	-125	
Fiber Type	G657A1	
Fiber Pigtail Length (m)	2	
Port Configuration	1x2 or 2x2	
Package Type	Dimension	Pigtail type
Package D:	3mm x 45mm stainless steel tube	250um bare fiber
Package E:	3mm x 54mm stainless steel tube	250um bare fiber
Package F:	3mm x 60mm stainless steel tube	250um bare fiber or 900um loose tube
Package G:	10mm x 20mm x 90mm case	2mm,3mm cable or 900um loose tube