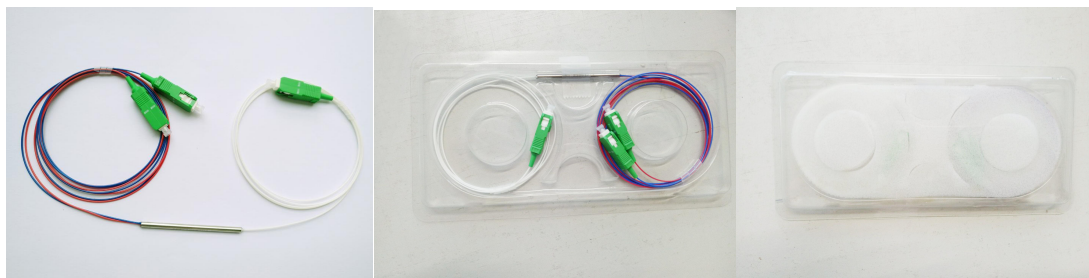


Single mode Steel Tube FBT Couplers



Singlemode Dual Window 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 range of both 1310 nm and 1550 nm windows. Singlemode dual window coupler find extensive application 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 devices

Specification

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		
Operating Temperature (°C)	-20 - + 85	
Storage Temperature (°C)	-40 - + 85	
Fiber Type	Corning Singlemode SMF-28	
Fiber Pigtail Length (m)	1	
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