

# FBT Optical Coupler

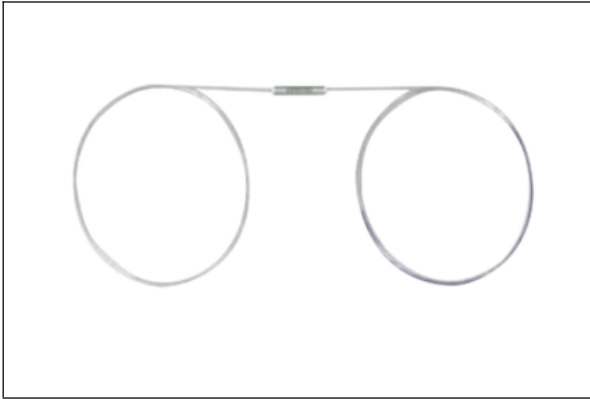
The FBT splitter is a device that tightly combines two optical fibers together. Due to heating, the components can be melted, thus fused together. We provides whole series of 1xN splitter products that are tailored for specific applications.

**Features**

- Low Insertion loss
- Various Coupling Ratio
- Compact Size

**Applications**

- Long-haul Telecommunications
- CATV Systems & Fiber Sensors
- Local Area Network



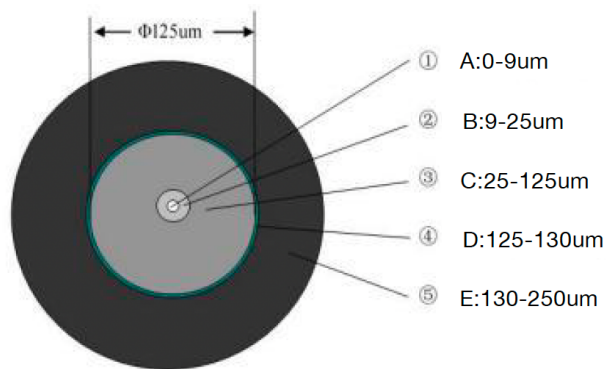
## Mini type FBT Optical Coupler

**SM Specifications:**

Splitting Ratio (OUT1/OUT2)	Insertion Loss (dB)	
	Tap	Signal
50/50	2.8-3.6 dB	≤3.6 dB
45/55	3.3-3.9 dB	≤3.0 dB
40/60	3.8-4.5 dB	≤2.6 dB
35/65	4.2-5.0 dB	≤2.2 dB
30/70	4.6-5.7 dB	≤1.9 dB
25/75	5.8-6.7 dB	≤1.6 dB
20/80	6.7-7.6 dB	≤1.2 dB
15/85	7.8-9.0 dB	≤0.98 dB
10/90	9.3-11.0 dB	≤0.63 dB
5/95	12.4-14.0 dB	≤0.41 dB
1/99	18.6-21.0 dB	≤0.25 dB
Excess Loss(Typ.) (dB)	0.10	
PDL(Max.) (dB)	0.15	
Operating Wavelength	1310±40, 1550±40, 1310/ 1550±40, 1310/ 1550/ 1490±40 or custom	
Directivity (dB)	≥55	
Port Configuration	1×2 or 2×2	
Packaging size	0.25mm:3 × 45mm; 0.9mm:3 × 54mm	
	2.0/3.0mm: 90 × 20 × 10mm/ 100 × 80 × 10mm	

Note: All the data above does not include connecto

## Face Specification



Scope	Defect description	Standard
①A:	Scratches And Nicks	No
	Bubbles And Spots	No
	Foreign Body	No
②B:	Scratches And Nicks	No
	Bubbles And Spots	No
	Foreign Body	No
③C:	Scratches And Nicks	$\leq 2\mu\text{m}$ and $\leq 1\text{pcs}$
	Bubbles And Spots	$\leq 2\mu\text{m}$ and $\leq 3\text{pcs}$
	Foreign Body	No
④D:	Scratches And Nicks	$\leq 5\mu\text{m}$ and $\leq 1\text{pcs}$
	Bubbles And Spots	$\leq 5\mu\text{m}$ and $\leq 2\text{pcs}$
	Foreign Body	No
⑤E:	Scratches And Nicks	$\leq 5\mu\text{m}$ and $\leq 3\text{pcs}$
	Bubbles And Spots	$\leq 5\mu\text{m}$ and $\leq 3\text{pcs}$
	Foreign Body	Allow slightly non removable