



Needle Size Coupler



Overview:

Needle size couplers feature compact package size, low insertion loss, and high reliability performance. These couplers are designed for optical modules, fiber sensors, and fiber testing instruments.

Features:

- * Super mini-size
- * Low excess loss
- * High stability and reliability

Applications:

- * Fiber sensor
- * Testing instruments

Specification:

Type		Needle size coupler	
Parameter			
Operating wavelength (nm)		1310 or 1550 ,others on request	
Operating bandwidth (nm)		± 15	
Grade		P	A
Typical excess loss (dB)		0.15	0.25
Insertion loss(dB)	50/50	≤3.6	≤3.8
	40/60	≤4.6/2.7	≤4.9/2.9
	30/70	≤5.9/1.9	≤6.2/2.1
	20/80	≤7.8/1.3	≤8.2/1.5
	10/90	≤11.3/0.7	≤11.8/0.9
	5/95	≤14.5/0.45	≤15.0/0.55
	2/98	≤18.8/0.3	≤19.5/0.4
	1/99	≤21.8/0.25	≤22.5/0.35
PDL (dB)		≤0.10	≤0.15
Directivity(dB)		≥55	
Operating temperature(°C)		- 40 ~ + 85	

*Other specifications can be made on customer request.

Package Information:

Configuration	1x2 or 2x2	
Fiber lead length	1 meter, others on request	
Fiber type	250μm bare fiber	
Dimensions(φ×L)	φ1.2mm×16mm	φ1.2mm×18mm

*Other package dimensions can be made on customer request.