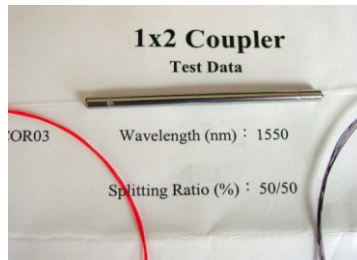
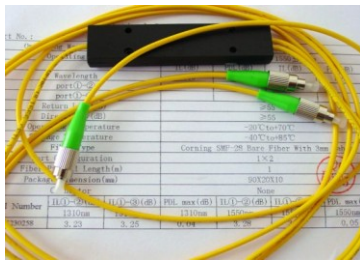


Singlemode Fiber optic splitter



Descriptions

Singlemode splitters are quality components designed to divide or combine optical signal in optical fiber system. These devices are fabricated by using the fused biconical taper (FBT) process and are reliable over wide range of temperature. Operating wavelength is 1310nm or 1550nm and the passband is 80nm. The coupling ratio can change from 1:99 to 50:50. Various packaging and configurations can satisfy our customers' requirements.

Features

- Low insertion loss
- Low excess loss
- Low PDL
- High directivity
- Long haul reliability
- Customer defined specifications

Specifications

Parameter		Unit	Premium	A	B	
Operating Wavelength		nm	1310±10 ,1550±10 or Others			
Excess Loss	Typ/ Max	dB	0.1			
Polarization Stability	Max	dB	0.1	0.1	0.15	
Uniformity (50:50)	Max	dB	0.4	0.5	0.6	
Thermal Stability	Max	dB	0.2	0.3	0.4	
Directivity	Min	dB	50 (1x2), 60 (2x2)			
Reflectance	Min	dB	50 (1x2), 60 (2x2)			
Operating Temperature		°C	-30 ~ 85			
Storage Temperature		°C	-40 ~ 85			
Insertion Loss	50/50	Max	dB	3.3/3.3	3.4/3.4	3.6/3.6
	45/55			3.8/2.9	3.9/3.0	4.0/3.1
	40/60			4.3/2.5	4.4/2.6	4.6/2.7
	35/65			4.9/2.1	5.0/2.2	5.2/2.3
	30/70			5.6/1.8	5.7/1.85	5.9/1.9
	25/75			6.4/1.45	6.5/1.55	6.7/1.6
	20/80			7.4/1.15	7.5/1.2	7.7/1.3
	15/85			8.7/0.9	8.8/0.95	9.0/1.0
	10/90			10.5/0.6	10.6/0.7	10.8/0.8
	5/95			13.7/0.35	13.8/0.4	14.0/0.5
1/99	21.0/0.15	21.3/0.2	21.6/0.25			