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Star & Tree Single Mode Broadband Splitter Module

(patents pending)

Product Description

The FC Series Fiberoptic Splitter is based on Agiltron's fused biconical taper technology and compact packaging structure. It features superior uniformity, low excess, and very low polarization sensitivity. The device is ideal for splitting or combining light with exceptional performance over a wide wavelength range.



Features

- Ultra-Low PDL
- Low Excess Loss
- Low Insertion Loss
- Highly Directivity
- Stable and Reliable

Performance Specifications

N x 4 Splitter Module		Parameter			Unit
Bandwidth		± 40			nm
Grade		U	P	A	
Insertion Loss ^[1]	Max.	6.8	6.8	7.2	dB
Excess Loss ^[1]	Typ.	0.3	0.3	0.5	dB
Uniformity	Max.	0.7	0.7	0.9	dB
PDL	Max.	0.02	0.2		dB
Operating Power	Max.	5			W
Operating Temperature		-20 ~ +85			°C
Storage Temperature		-50 ~ +85			°C
Package Type		A: 18 x 114 x 140			mm
		B: 29 x 130 x 132			
		C: 10 x 80 x 100 for 900um tube			

[1]. without connector. Each connector adds 0.3dB and 0.5dB for short wavelength

Applications

- Telecommunications
- Optical Testing System
- Passive Optical Network
- Optical Power distributor

Star & Tree Single Mode Broadband Splitter Module

N x 8 Splitter Module		Parameter			Unit
Bandwidth		± 40			nm
Grade		U	P	A	
Insertion Loss ^[1]	Max.	10.2	10.2	11.3	dB
Excess Loss ^[1]	Typ.	0.5	0.5	0.7	dB
Uniformity	Max.	1.2	1.2	1.5	dB
PDL	Max.	0.03	0.3		dB
Operating Power	Max.	5			W
Operating Temperature		-20 ~ +85			°C
Storage Temperature		-50 ~ +85			°C
Package Type		D: 43 x 322 x 480			mm
		E: 58 x 130 x 132			
		C: 10 x 80 x 100 for 900um tube			

[1]. without connector. Each connector adds 0.3dB and 0.5dB for short wavelength

N x 16 Splitter Module		Parameter			Unit
Bandwidth		± 40			nm
Grade		U	P	A	
Insertion Loss ^[1]	Max.	13.6	13.6	15.1	dB
Excess Loss ^[1]	Typ.	0.8	0.8	1.0	dB
Uniformity	Max.	1.6	1.6	2.0	dB
PDL	Max.	0.04	0.4		dB
Operating Power	Max.	5			W
Operating Temperature		-20 ~ +85			°C
Storage Temperature		-50 ~ +85			°C
Package Type		D: 43 x 322 x 480			mm
		F: 18 x 115 x 141 for 900um tube			

[1]. without connector. Each connector adds 0.3dB and 0.5dB for short wavelength

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Star & Tree Single Mode Broadband Splitter Module

N x 32 Splitter Module		Parameter			Unit
Bandwidth		± 40			nm
Grade		U	P	A	
Insertion Loss ^[1]	Max.	17.5	17.5	18.5	dB
Excess Loss ^[1]	Typ.	1.0	1.0	1.4	dB
Uniformity	Max.	2.0	2.0	2.5	dB
PDL	Max.	0.05	0.5		dB
Operating Power	Max.	5			W
Operating Temperature		-20 ~ +85			°C
Storage Temperature		-50 ~ +85			°C
Package Type		F: 18 x 115 x 141 for 900um tube			mm

[1]. without connector. Each connector adds 0.3dB and 0.5dB for short wavelength

Ordering Information

Prefix	Wavelength	Grade	Package	Input	Output	Fiber Type	Fiber Length	Connector
FC5-	2000 = 2 1310 = 3 1480 = 4 1550 = 5 Special = 0	U = 1 P = 2 A = 3	Size A = 1 Size B = 2 Size C = 3 Size D = 4 Size E = 5 Size F = 6	1 Port = 1 2 Port = 2 4 Port = 4 8 Port = 8	4 Port = 04 8 Port = 08 16 Port = 16 32 Port = 32	SM28/0.9mm = 1 SM1950/0.9mm = 2 Special = 0	0.5m = 1 0.75m = 2 1.0m = 3 Special = 0	None = 1 FC / PC = 2 FC / APC = 3 SC / PC = 4 SC / APC = 5 ST / PC = 6 LC = 7 Special = 0

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