



Fiber Optic Splitter/Couplers

Applications

- CATV Distribution Networks
- Telecommunications Systems
- LAN
- SONET Networks
- Point to Point Systems
- FTTH/FTTx

Key Features & Benefits

- Rugged Constructions
- Low Insertion Loss
- Available in 1 x 2 or up to 1 x 64
- Low PDL
- High Stability and Reliability

Quiktron's Optical Splitter/Couplers are used to split an optical signal into several paths for the purpose of routing optical signals to multiple near end or remote locations. The Optical Splitter/Couplers are available in configurations from 1 x 2 to 1 x 64. The Optical Splitter/Couplers are offered in three different versions; as a cable, as a tabletop enclosure, and as a rack mountable unit, all of which have a superior design and are built from high quality components.

Specifications

Assembly Performance Specification (Single-Mode Only*)

Type	Single-Mode
Wavelength	1310/1550nm (SM)
Connector Loss (Typical/Typical Angled/Max.)	Typical 0.3dB Max. 0.5dB
Typical Return Loss	-55dB (SM) / -65dB (Angled)
Operating Temperature	-20°C - 70°C
Attenuation testing performed in accordance with EIA/TIA-455-171A	
Maximum Fiber Loss: 0.35dB/km @ 1310nm (SM) 0.25dB/km @ 1550nm (SM)	

Splitter	L	LL	Nominal Split Ratio	Loss (Max.)	Operating Wavelength	Return Loss	Directivity	Fiber
1 x 2	40-60mm	1m	50/50%	< 3.75dB	1310/1550nm ± 40nm	> 55dB	> 55dB	SMF-28e
1 x 3	40-65mm	1m	33/33/33%	< 5.50dB	1310/1550nm ± 40nm	> 55dB	> 55dB	SMF-28e
1 x 4	40-75mm	1m	25/25/25/25%	< 7.5dB	1310/1550nm ± 40nm	> 55dB	> 55dB	SMF-28e

*Specifications for other configurations available upon request.

Part Number Generator

A	B	C	D	E	F	G	H	L
0 S A	0 1 0 1	4 2 1 1 1	0 0 3					

Example: OSA-0101-42111-003 - 3 ft Fiber Optic Splitter Assembly LC to LC 1 x 2 SMF-28e

A	B	C	D
3 Digit Series:	Connector (Common Leg):	Connector (Split End):	Fiber Type:
OSA Optical Splitter Assembly	00 Blunt	00 Blunt	1 62.5 μm OM1
OSB Optical Splitter Assembly (Rack Mountable)	01 LC	01 LC	2 50 μm OM2
OSE Optical Splitter Assembly (Tabletop Enclosure)	02 SC	02 SC	3 10 Gig 300m OM3
	03 ST	03 ST	4 SMF-28e
	04 FC	04 FC	
	05 ALC	05 ALC	
	06 ASC	06 ASC	
	08 AFC	08 AFC	

E	F	G	H	L
Jacket:	Split Configuration:	Split Ratio:	Pass Band:	Length in Feet:
0 Default/Non-Specific	1 1x2	1 Equal Split	1 1310/1550nm	
1 250 μm	2 2x2	5 50:50	Narrow Band, ±40 nm	
2 900 μm	3 1x3	9 90:10		
3 2 mm	4 1x4			
4 3 mm	5 1x6			
	6 1x8			
	7 1x10			
	8 1x12			
	9 1x16			
	A 1x32			
	B 1x64			
	W 1x2 WDM			