

Fiber Optic Splitter LC/APC



Features

- Low excess loss & High performance
- Good uniformity & Low PDL
- Small package size
- Various connector type & package size available

Applications

- Telecommunications networks
- CATV system
- Optical equipment
- Fiber Optic Sensors
- FTTH & FTTx

Planar light wave circuit (PLC) splitter is fabricated using silica optical waveguide technology. CommPort provides a whole series of 1xN and 2xN splitters that are tailored for specific applications. All products meet Telcordia 1209 and 1221 reliability requirements and certified by TLC for network deployment.

Pictures of Rack mount Splitters

2x32 Rack Mount LC/APC splitter



2x16 Rack Mount LC/APC splitter



2x8 Rack Mount LC/APC splitter



2x2 Rack Mount LC/APC splitter



Part Number Legend

Splitter	Connector Type		Splitter Type		Configuration		I/O Cable Length	
SP	FC	FC	Rack Mount	RM	1x2	102	1 meter	01
	LC	LC	Wall Mount	WM	1x4	104	1.5 meter	1.5
	SC	SC	PLC Type	PL	1x8	108	2 meter	02
	ST	ST	Pole Mount	PM	1x16	116	3 meter	03
	E2000	E2000			1x32	132	Modules	NM
	MTRJ	MJ			1x64	164	Custom	XX
	FC Angled	FCA			2x2	202		
	LC Angled	LCA			2x4	204		
	SC Angled	SCA			2x8	208		
	ST Angled	STA			2x16	216		
					2x32	232		
					2x64	264		

Specification

Parameters		1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32	
Operating Wavelength (nm)		1260~1650											
Insertion Loss (dB)	Typical	4.0	7.3	10.5	13.8	16.8	20.5	4.0	7.6	11.2	14.2	17.2	
	Max (P/S)	4.3/4.5	7.5/7.7	11.0/11.2	14.0/14.2	17.0/17.5	21.0/21.5	4.4/4.7	8.0/8.3	11.7/12.0	14.7/15.0	17.9/18.2	
Loss Uniformity (dB)	Typical	0.4	0.5	0.6	0.7	0.9	1.3	0.5	1.0	1.0	1.2	1.5	
	Max	0.6	0.8	1.0	1.4	1.7	2.7	0.8	1.4	1.7	2.0	2.2	
Return Loss (dB)	UPC Min	50/45	50/45	50/45	50/45	50/45	50/45	50/45	50/45	50/45	50/45	50/45	
	APC Min	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	
PDL (dB)	Typical	0.1	0.1	0.15	0.15	0.15	0.2	0.1	0.1	0.2	0.3	0.3	
	Max	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.4	0.4	0.4	
Directivity (dB)	Min	55	55	55	55	55	55	55	55	55	55	55	
Wavelength	Typical	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	
Dependent Loss (dB)	Max	0.3	0.3	0.3	0.5	0.5	0.5	0.4	0.4	0.5	0.6	0.8	
Temperature Stability (-40~85 0C) (dB)	Typical	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
	Max	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Operating Temperature (0C)		-40~85											
Storage Temperature (0C)		-40~85											
Cassette Type		Type O	Type L	Type S	Type O	Type L	Type S	Type O	Type L	Type S	Type O	Type L	Type S
Packaging Size (LxWxH) (mm)		100x80x10	120x80x18	140x114x18	100x80x10	120x80x18	140x110x18	100x80x10	120x80x18	140x110x18	100x80x10	120x80x18	140x110x18