

Charles Fiber Splitter Modules (CFSM)

Plug & play splitter modules used in enclosures and pedestals to split the optic signal in passive optical networks (PON)



**1x16 and 1x32
CFSM-FP Splitters**

Fit Charles Fiber Flexibility Pedestals (CFFP)



**1x4, 1x8, 1x16, 1x32, 2x32 and 1x64
CFSM-FM Splitters**

Fit Charles Fiber Interconnect Terminals (CFIT), Fiber Building Terminals (CFBT), Flex Compact Hubs (FCH) and Optical Hub Cabinets (OHC)

Specifications

Charles Part Number	UoM	CFSM-FP1132AA	CFSM-FP1116AA CFSM-FP2116AA	CFSM-FM1104AA	CFSM-FM1108AA	CFSM-FM1116AA	CFSM-FM1132AA	CFSM-FM1232A	CFSM-FM1164AA
Split Ratio		1 x 32	1 x 16	1 x 4	1x 8	1 x 16	1 x 32	2 x 32	1 x 64
Platform Compatibility		CFFP	CFFP	CFIT/CFBT /FCH	CFIT/CFBT /FCH	CFIT/CFBT /FCH	CFIT/CFBT	CFIT/CFBT /OHC	CFIT/CFBT
Operating Wavelengths	nm	1260-1650							
Insertion Loss (Max)*	dB	16.8	13.7	7.7	11.2	14.2	16.9	18.0	21.1
Uniformity	dB	1.3	1.0	0.6	0.8	1.0	1.4	1.8	2.0
Return Loss	dB	≥55							
Directivity	dB	≥55							
Polarization Dependent Loss	dB	0.30		0.20		0.30		0.45	0.40
Temperature Operating Storage	°C °C	-40° to +85° -40° to +85°							
Humidity Operating Storage	%RH %RH	5 to 95 5 to 95							
Fiber Type		ITU-T G657 A.1							
Connectors		SC/APC							
Jacketing Input Pigtail Output Pigtails		2mm, blue 2mm, yellow						(x2) 2mm, blue 2mm, yellow	2mm, blue 2mm, yellow
Pigtail Length Input Output	in. in.	26 (+0/-3) 29 (+0/-3)	26 (+0/-3) 29 (+0/-3)	33 (+0/-3) 33 (+0/-3)	33 (+0/-3) 33 (+0/-3)	33 (+0/-3) 33 (+0/-3)	33 (+0/-3) 33 (+0/-3)	33 (+0/-3) 33 (+0/-3)	33 (+0/-3) 33 (+0/-3)
Module Size (LxWxD)	in.	2.8x0.5x4.9	2.8x0.5x4.9	4.7x0.7x3.2	4.7x0.7x3.2	4.7x0.7x3.2	4.7x0.7x3.2	4.7x0.7x3.2	4.7x0.7x3.2
Compliance		GR-1221-CORE GR-1209-CORE							

Note: modules with multiple splitters have the same specifications as a module with a single splitter.

* Loss values provided do not include connectors.
Connector loss = 0.3dB typical.



CFSM Ordering Information

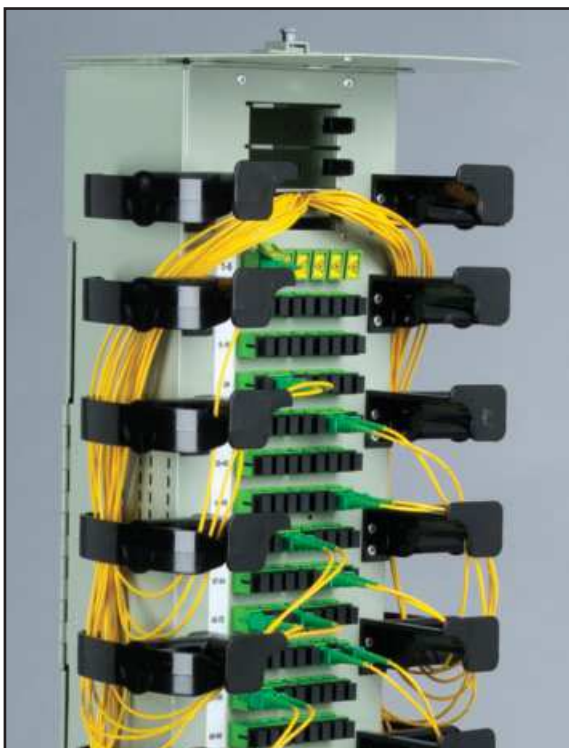
<u>Charles Part Number</u>	<u>Description</u>
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For Charles Fiber Flexibility Pedestals (CFFP)

CFSM-FP1132AA	Charles Fiber Splitter Module, 1x32, SC/APC
CFSM-FP1116AA	Charles Fiber Splitter Module, 1x16, SC/APC
CFSM-FP2116AA	Charles Fiber Splitter Module, dual 1x16, SC/APC

For Charles Fiber Interconnect Terminals (CFIT), Building Terminals (CFBT), Flex Compact Hubs (FCH) and Optical Hub Cabinets (OHC)

CFSM-FM1104AA	Charles Fiber Splitter Module, 1x4, SC/APC
CFSM-FM1108AA	Charles Fiber Splitter Module, 1x8, SC/APC
CFSM-FM1116AA	Charles Fiber Splitter Module, 1x16, SC/APC
CFSM-FM1132AA	Charles Fiber Splitter Module, 1x32, SC/APC
CFSM-FM1232AA	Charles Fiber Splitter Module, 2x32, SC/APC
CFSM-FM1164AA	Charles Fiber Splitter Module, 1x64, SC/APC



Charles Fiber Splitter Module (CFSM-FP) in a Charles Fiber Flexibility Pedestal (CFFP).



Charles Fiber Splitter Module (CFSM-FM) in a Charles Fiber Building Terminal (CFBT).



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