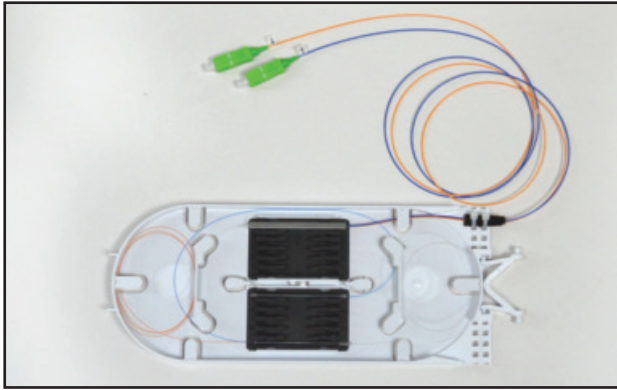
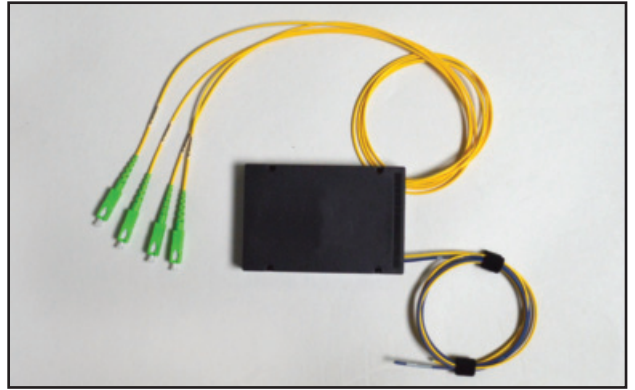


Charles Optical Taps

Splitter Tray or Splitter Module optical taps for FTTH network deployments leveraging a tapped trunk architecture



Splitter Tray Optical Tap



Splitter Module Optical Tap

Optical taps are used in Fiber-to-the-Home (FTTH) passive network architectures to divide a feed fiber into a pass-thru fiber leg and a drop leg connected to a 1x2, 1x4 or 1x8 Planar Lightwave Circuit (PLC) splitter for fiber distribution to subscribers. This solution reduces the number of distribution fibers required to provide service to subscribers particularly in low-density architectures with long fiber routes (i.e. rural road stretches).

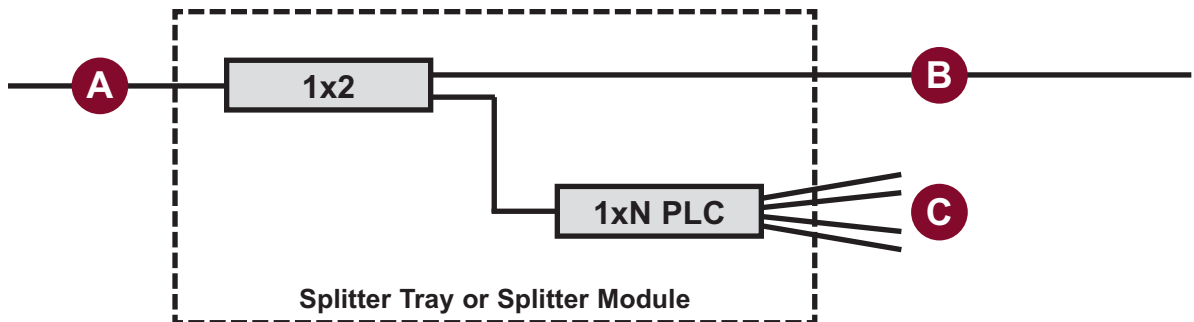


Product Applications

Optical taps are commonly utilized in FTTH PON deployments leveraging a tapped trunk architecture. They may be installed within many Charles Industries fiber enclosures, including fiber distribution pedestals (BDO/CFDP), fiber cabinets (CFIT/CFBT), and aerial enclosures (CFAS); or third-party housings and closures.

Product Specifications

	Diagram Reference	Splitter Tray Tap 4"x9"	Splitter Module Tap 3.9"x3.2"x0.4"
Input Leg	A	Stub, 250µm, 4.5 ft.	Stub, 2mm buffer, 4.5 ft.
Pass-Thru Leg	B	Stub, 250µm, 4.5 ft.	Stub, 2mm buffer, 4.5 ft.
Drop Legs	C	SC/APC, 900µm buffer, 22" length min.	SC/APC, 2mm buffer, 22" length min.



Ordering Information

C

B

Tap Value	Splice Tray Tap Charles Part Number	Splitter Module Tap Charles Part Number	Drop Leg Insertion Loss* (dB max)	Pass-Thru Leg Insertion Loss (dB max)
2 TAP PORTS				
2-21	CFST-AFT297030A	CFSM-MFT297030A	21.2	0.4
2-19	CFST-AFT295050A	CFSM-MFT295050A	18.4	0.5
2-17	CFST-AFT294060A	CFSM-MFT294060A	17.5	0.6
2-15	CFST-AFT290100A	CFSM-MFT290100A	15.1	0.8
2-13	CFST-AFT286140A	CFSM-MFT286140A	13.6	1.0
2-12	CFST-AFT280200A	CFSM-MFT280200A	12.0	1.4
2-10	CFST-AFT270300A	CFSM-MFT270300A	10.2	2.0
2-8	CFST-AFT260400A	CFSM-MFT260400A	8.9	2.8
2-7	CFST-AFT240600A	CFSM-MFT240600A	7.0	4.6
2-6	CFST-AFT230700A	CFSM-MFT230700A	6.3	6.0
2-4T	CFST-AFT2xxxx0A	CFSM-MFT2xxxx0A	4.2	TERM.
4 TAP PORTS				
4-21	CFST-AFT495050A	CFSM-MFT495050A	21.3	0.6
4-19	CFST-AFT490100A	CFSM-MFT490100A	18.7	0.8
4-17	CFST-AFT488120A	CFSM-MFT488120A	17.3	1.0
4-15	CFST-AFT480200A	CFSM-MFT480200A	15.4	1.4
4-13	CFST-AFT470300A	CFSM-MFT470300A	13.6	2.0
4-12	CFST-AFT460400A	CFSM-MFT460400A	12.3	2.8
4-11	CFST-AFT450500A	CFSM-MFT450500A	11.3	3.6
4-10	CFST-AFT445550A	CFSM-MFT445550A	10.7	4.1
4-9	CFST-AFT430700A	CFSM-MFT430700A	9.7	6.0
4-7T	CFST-AFT4xxxx0A	CFSM-MFT4xxxx0A	7.4	TERM.
8 TAP PORTS				
8-21	CFST-AFT890100A	CFSM-MFT890100A	21.7	0.8
8-20	CFST-AFT885150A	CFSM-MFT885150A	19.9	1.0
8-19	CFST-AFT880200A	CFSM-MFT880200A	18.4	1.4
8-17	CFST-AFT875250A	CFSM-MFT875250A	17.3	1.6
8-16	CFST-AFT870300A	CFSM-MFT870300A	16.6	2.0
8-15	CFST-AFT860400A	CFSM-MFT860400A	15.5	2.7
8-14	CFST-AFT850500A	CFSM-MFT850500A	14.3	3.6
8-13	CFST-AFT840600A	CFSM-MFT840600A	13.2	4.6
8-10T	CFST-AFT8xxxx0A	CFSM-MFT8xxxx0A	10.7	TERM.

*Drop leg insertion loss includes connector loss (0.2 dB).

Other configurations are available per special order. Contact your Charles account manager or inside sales for custom configuration options.



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