

PLC Splitter without connector Specification

Application:

Planar light wave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON networks to realize optical signal power splitting.

PLC Splitter 1*2, 1*4,1*8,1*16,1*32,1*64, without connectors, input port fiber length 1.5m, output port fiber length 1.5m,250um diameter, G652D/ G657A fiber.

Feature:

- Small size and aesthetic appearance.
- CATV Video Transmission
- Installation quick, reliable performance, stability.
- Employ integrated optic production process.
- Wide operating wavelength range. Low PDL.
- Good uniformity, in particular the application of PON.
- Optical fiber: G652D or G657A Fiber
- Meet GR-1209-CORE and GR-1221-CORE requirements.



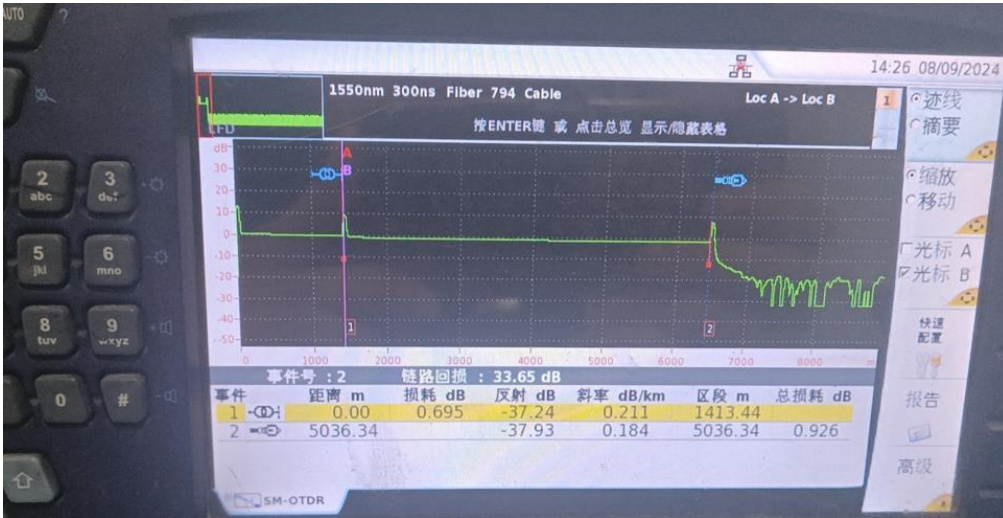
- Note: the picture provides a reference only.

Technical characteristics for splitter:

Type	1X2	1X4	1X8	1X16	1X32	1X64
Model No.	MCR-FBT A 1x2/4/8/16/32/64					
Channel wavelength(nm)	1260-1650nm					
Test Wavelength	1310/1550nm					
Insertion loss(dB) (±0.3)	≤3.8	≤7.0	≤10.2	≤13.5	≤16.5	≤20.5
Loss Uniformity (dB)	≤0.4	≤0.6	≤0.8	≤1.2	≤1.5	≤2.5
Polarization dependent loss(dB)	≤0.20	≤0.20	≤0.30	≤0.30	≤0.30	≤0.35
Return loss (dB)	≥55					
Directivity(dB)	≥55					
Operating temperature (°C)	-40~+85					
Storage temperature(°C)	-40~+85					
Fiber Type	ITU-T G657 D or G657 A Fiber					
Note1: Focus on uniform distribution device; the fiber type is single-mode optical fiber.						
Note2: All insertion loss values don't include the loss of the connector.						

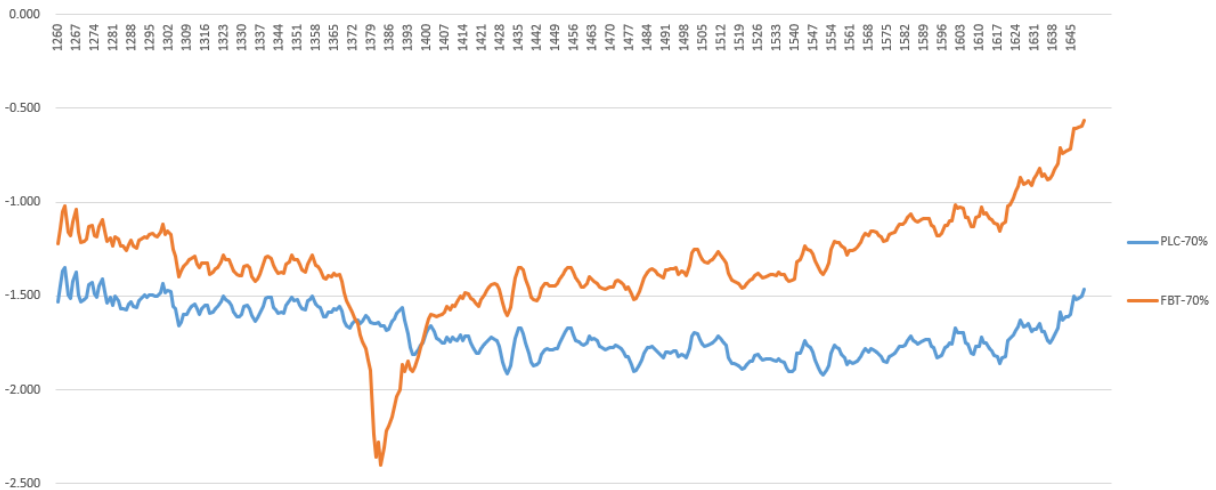
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OTDR testing:

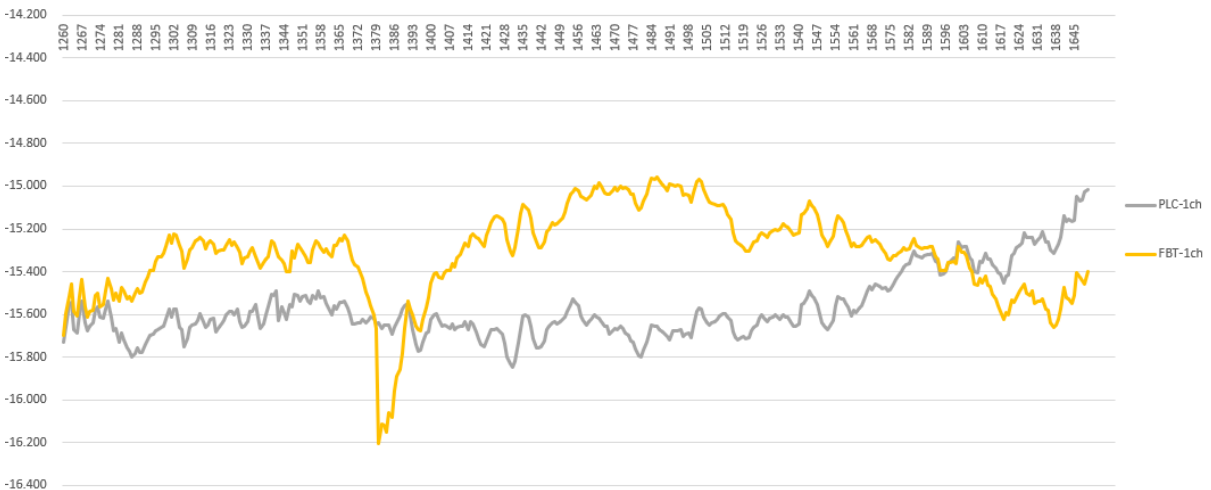


OSA testing:

PLC and FBT 70%Port



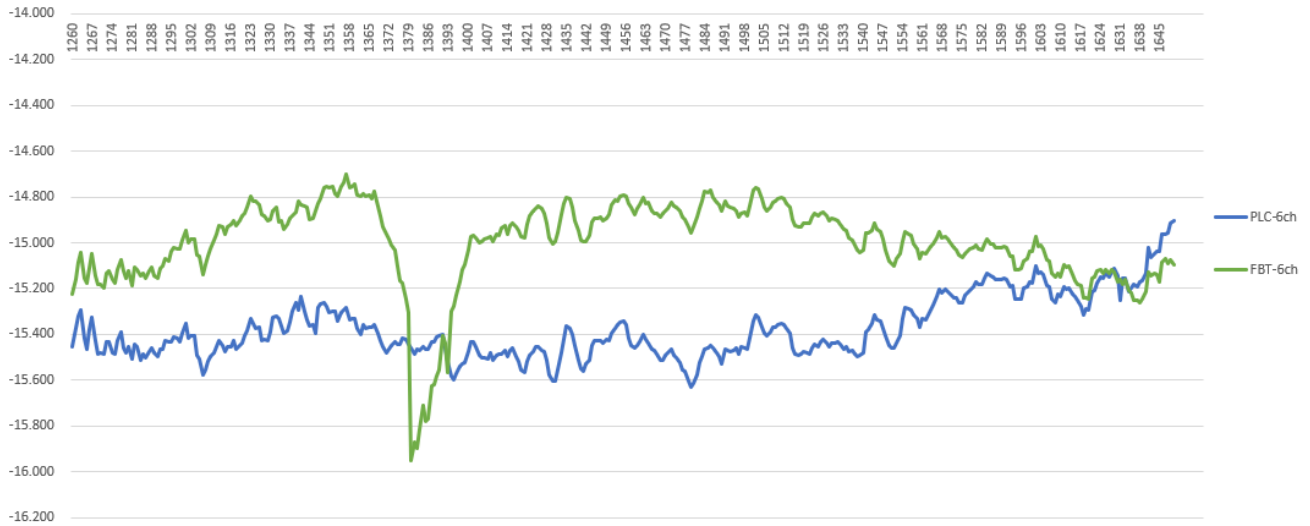
PLC and FBT 1ch Port



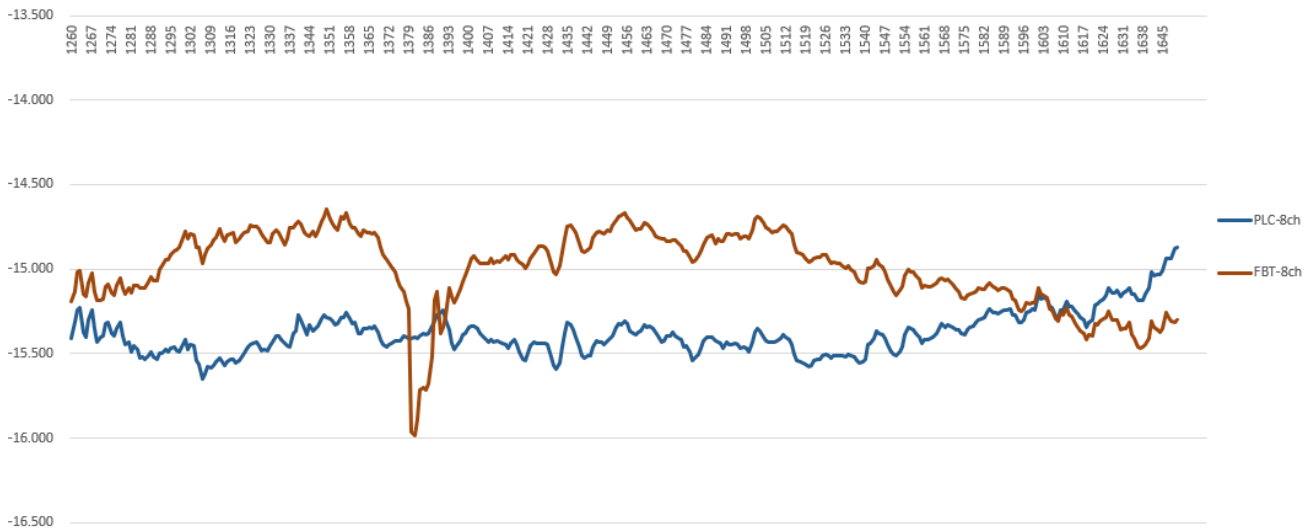
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OSA testing:

PLC and FBT 6ch Port



PLC and FBT 8ch Port



Production Line Display(clean room):

