

PLC Splitter with connector Specification

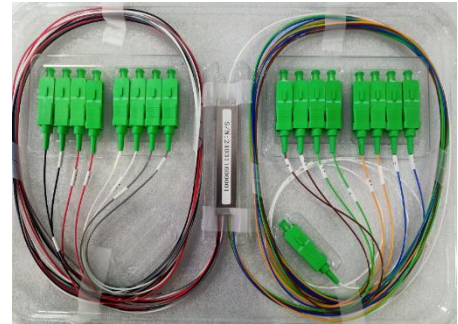
Application:

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, with connectors, input port fiber length 1.5m, output port fiber length 1.5m, 250um/900um diameter, G652D/ G657A fiber.

Feature:

- Small size and aesthetic appearance.
- 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-PLC-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.						

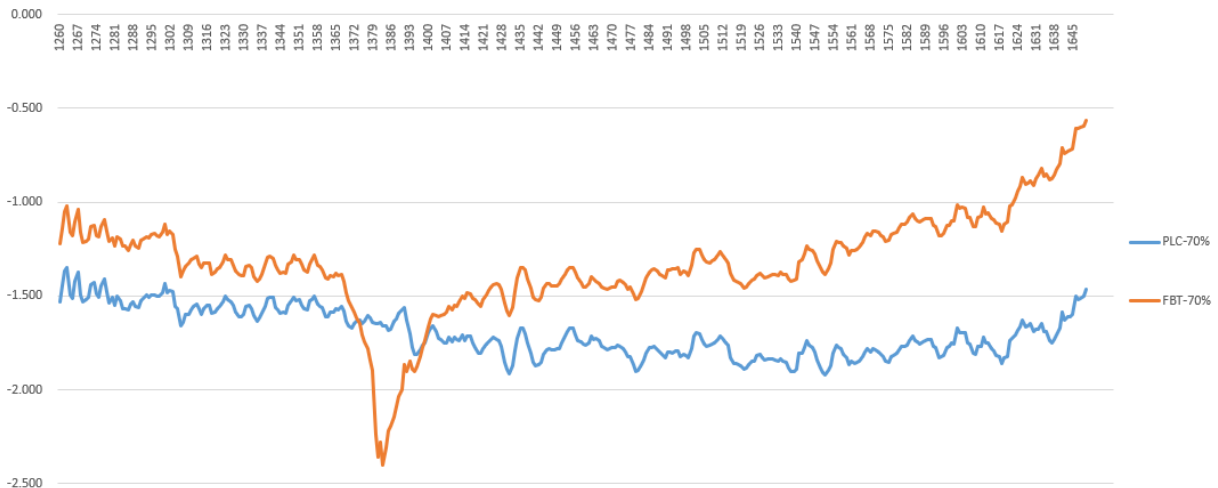
MCR GROUP, INC.

OTDR testing:

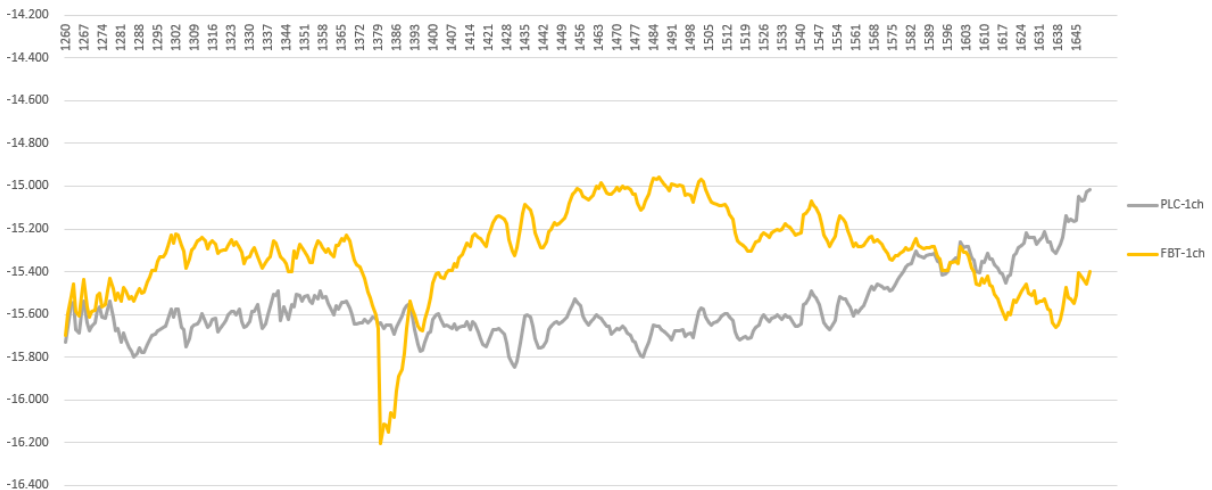


OSA testing:

PLC and FBT 70%Port

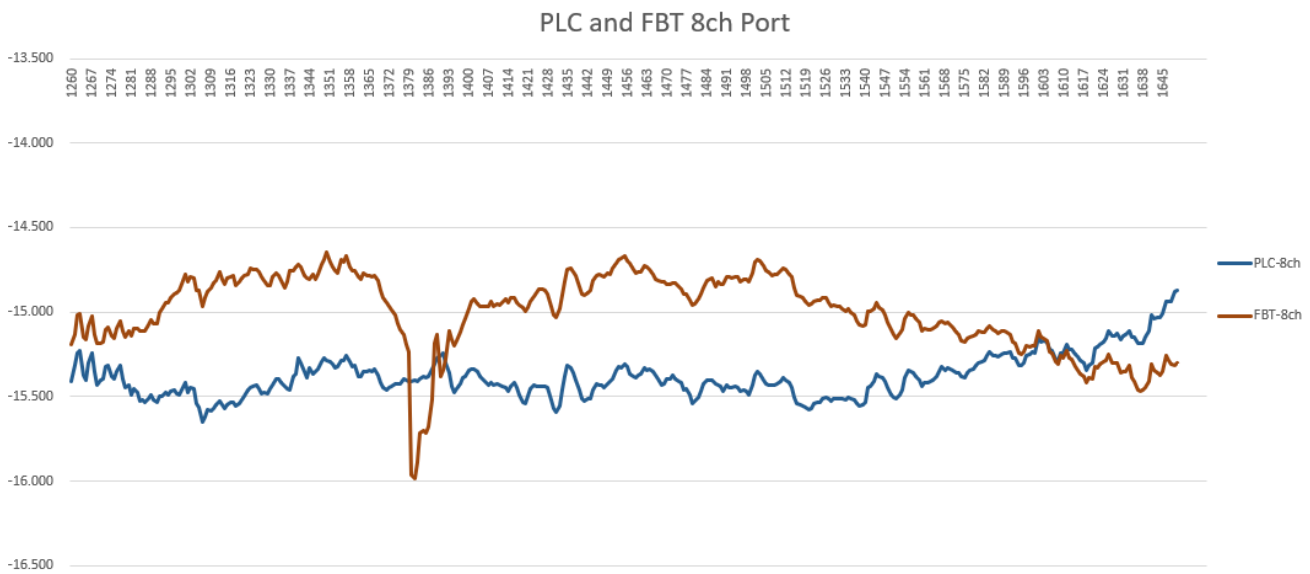
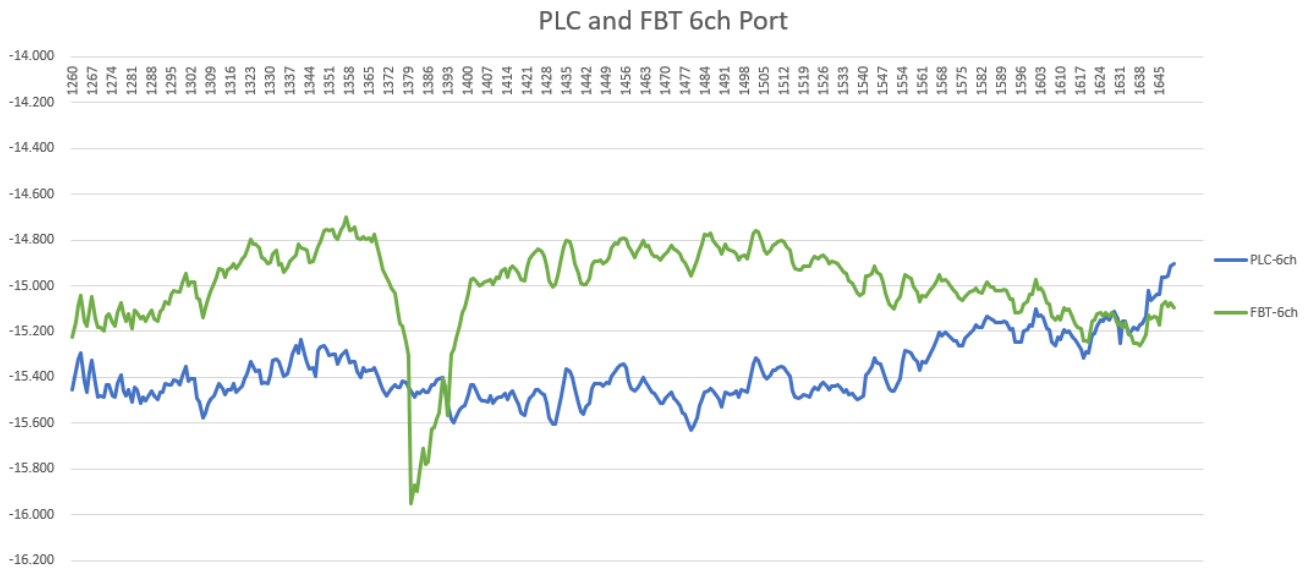


PLC and FBT 1ch Port



MCR GROUP, INC.

OSA testing:



Production Line Display(clean room):

