



PLC SPLITTER

With and Without Connector

Description

Planar lightwave 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. Blueray provides whole series of 1xN and 2xN splitter products that are tailored for specific applications. All products meet GR-1209-CORE and GR-1221-CORE requirements

Features

- Low Insertion loss
- Low PDL
- Compact Design
- Wide Operating Wavelength: From 1260nm to 1650nm
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Temperature: From -40 to 85
- High Reliability and Stability

Application

- FTTX Systems
- PON Networks
- CATV Links
- Optical Signal Distribution

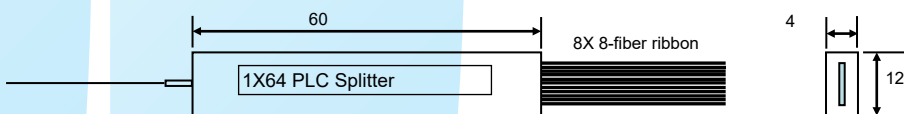
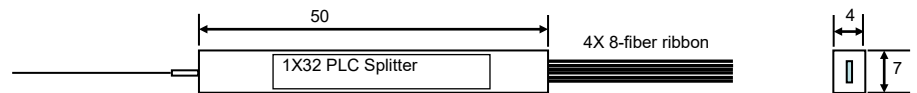
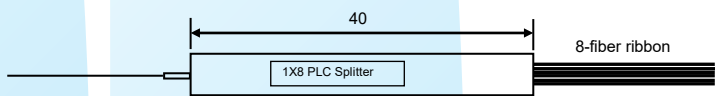
Compliance

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

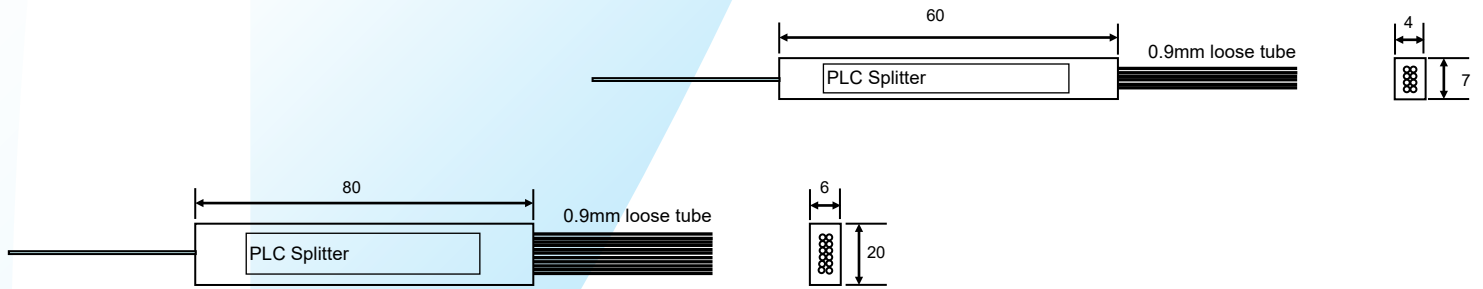
Specifications

Parameters	1×2	1×4	1×8	1×16	1×32
Operating Wavelength (nm)	1260~1650				
Fiber Type	G652D or G657A1 or customer specified				
Insertion Loss (dB) (P/S Grade)	3.9/4.1	7.2/7.4	10.5/10.8	13.8/14.3	16.5/16.9
Loss Uniformity (dB)	0.4	0.6	0.8	1.2	1.5
Polarization Dependent Loss(dB)	0.2	0.2	0.2	0.25	0.3
Return Loss (dB) (P/S Grade)	55/50	55/50	55/50	55/50	55/50
Directivity (dB)	55	55	55	55	55
Wavelength Dependent Loss (dB)	0.3	0.3	0.3	0.5	0.5
Temperature Stability (-40~85 °C)(dB)	0.4	0.4	0.4	0.5	0.5
Operating Temperature (°C)	-40~85				
Storage Temperature (°C)	-40~85				
Device Dimension (mm)	40×4×4	40×4×4	40×4×4	50×7×4	50×7×4
Module Dimension (mm)	90×20×10	100×80×10	100×80×10	120×80×18	120×80×18
Mini-Module Dimension (mm)	60×7×4	60×7×4	60×7×4	60×12×4	80×20×6

PLC Splitter



PLC Splitter Mini Module



Specifications

Parameters	2×2	2×4	2×8	2×16	2×32
Operating Wavelength (nm)	1260~1650				
Fiber Type	G652D or G657A1 or customer specified				
Insertion Loss (dB) (P/S Grade)	4.2	7.6	11.0	14.4	17.5
Loss Uniformity (dB)	0.6	1.0	1.2	1.5	1.8
Polarization Dependent Loss (dB)	0.2	0.2	0.3	0.3	0.35
Return Loss (dB) (P/S Grade)	55/50	55/50	55/50	55/50	55/50
Directivity (dB)	55	55	55	55	55
Wavelength Dependent Loss (dB)	0.3	0.4	0.5	0.5	0.5
Temperature Stability (-40~85 °C)(dB)	0.4	0.4	0.4	0.5	0.5
Operating Temperature (°C)	-40~85				
Storage Temperature (°C)	-40~85				
Device Dimension (mm)	40×4×4	40×4×4	40×4×4	50×7×4	50×7×4
Module Dimension (mm)	90×20×10	100×80×10	100×80×10	120×80×18	120×80×18
Mini-Module Dimension (mm)	60×7×4	60×7×4	60×7×4	60×12×4	80×20×6