

Planar Lightwave Circuit Splitter (PLC Splitter)

Description

Planar lightwave circuit splitter (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(EPON/GPON) networks to realize optical signal power splitting.

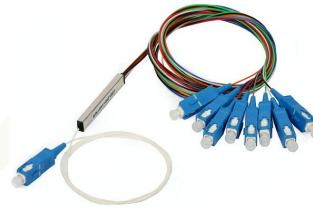
We provides whole series of 1xN and 2xN splitter products that are tailored for specific applications. All PLC Splitter products meet GR-1209-CORE and GR-1221-CORE requirements.

Features

1. Low insertion loss and low PDL
2. High channel counts
3. Exceptional reliability and stability
4. Wide operating wavelength

Applications

1. FTTX Systems
2. LAN, WAN and metro networks
3. Analog/Digital passive optical networks
4. CATV networks
5. Other applications in fiber optic systems



Specifiation

Parameters	1×10
Operating Wavelength (nm)	1260~1650
Fiber Type	G657A1 or customer specified
Insertion Loss (dB) (P/S Grade)	13.5/13.7
Loss Uniformity (dB)	1.2
Polarization Dependent Loss(dB)	0.25
Return Loss (dB) (P/S Grade)	55/50
Directivity (dB)	55
Wavelength Dependent Loss (dB)	0.5
Temperature Stability (-40~85 °C)(dB)	0.5
Operating Temperature (°C)	-40~85
Storage Temperature (°C)	-40~85
Mini-steel tube Dimension (mm)	60*7*4

1. Specified without connectors.
2. Add an additional 0.15dB loss per connector.

Packaging information



Ordering information(PLC-0110-0-0-0-0-0)

Product	Port	Input		Output		Fiber Length
		Pigtall Style	Connector	Pigtall Style	Connector	
PLC	0110=1x10	0=bare fiber 1=900um Loose tube 2=900umJacket	0=none 1=SC/PC 2=SC/APC 3=FC/PC 4=FC/APC 5=ST 6=LC 7=LC/APC 8=E2000 S=Special	0=bare fiber 1=900um 2=900um 3=2.0mm 4=3.0mm	0=none 1=SC/PC 2=SC/APC 3=FC/PC 4=FC/APC 5=ST/PC 6=LC/PC 7=LC/APC 8=E2000 S=Special	0=0.5m 1=1m 2=1.5m 3=2m 4=3m 5=4m S=special