



**Data Sheet**

# PLC Splitter



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[www.erattelekom.com.tr](http://www.erattelekom.com.tr)

## Planar Lightwave Circuit Splitter (PLC)

### ❖ Description



Offers different types of high-quality splitters. These products are designed for long-term reliability, superior performance, and a wide range of usage in fiber optics including optical transmission, long haul, subscriber loop, fiber to the home, telecommunications, CATV, test equipment, optical fiber sensors, data communications and wide-area network.

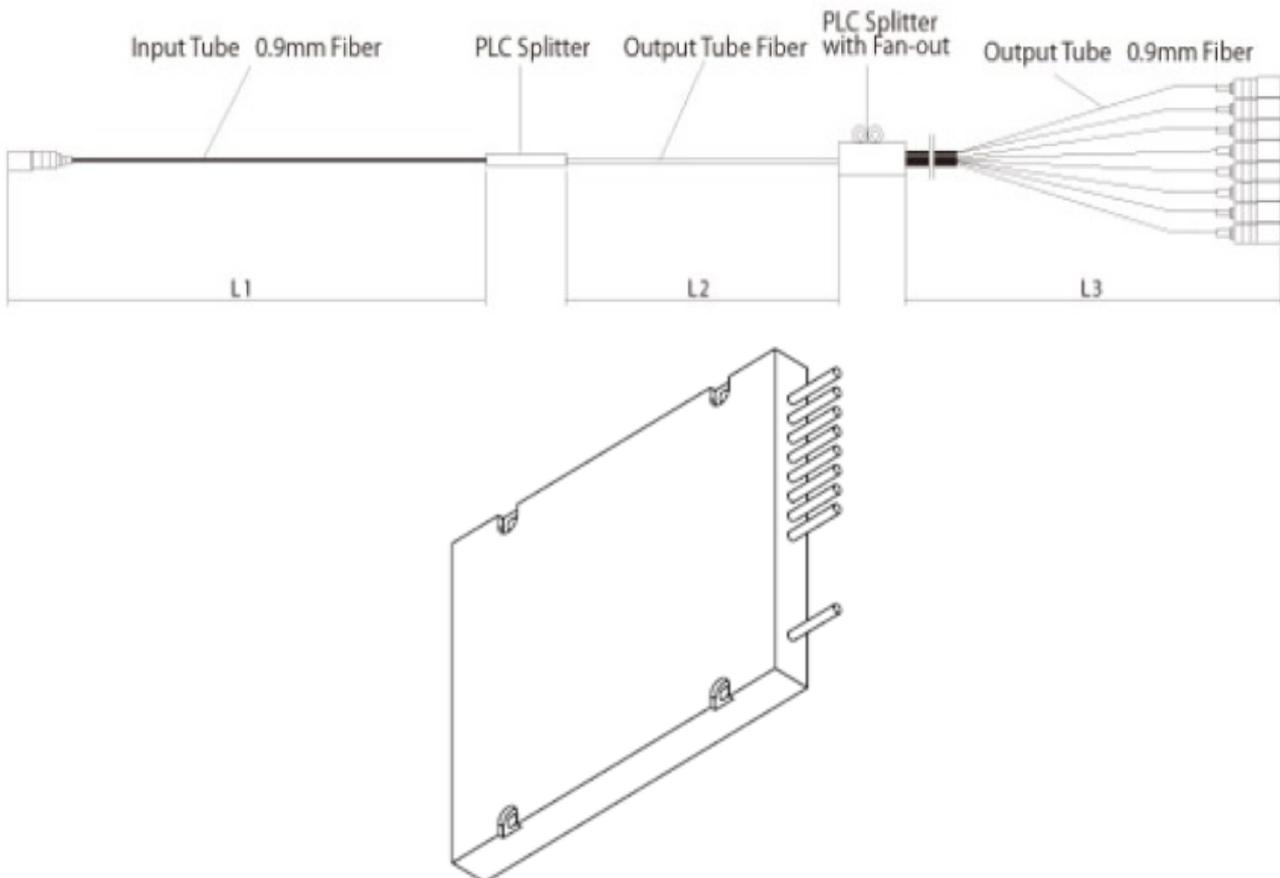
Our optical splitters are designed for consistent performance, low optical Insertion loss, low polarization Dependent Loss, high reliability and stability, superior environmental and mechanical characteristics, and fast installation. They also enable more effective monitoring and management of fiber optical networks.

The products we offer are:

PLC Splitter: 1x4, 1x8, 1x16, 1x32, 1x64, and 2x4, 2x8, 2x16, 2x32

Our PLC splitters are tested based on the strictest standards of the industry, and we guarantee quality, turnaround and competitive pricing.

### Figure and Drawing





# TURKSAT

## ❖ Key Features

1. Low IL and PDL
2. High reliability
3. High channel counts
4. Wide wavelength range
5. Large operating temperature range
6. Excellent Environmental & Mechanical Stability

## ❖ Applications

1. FTTX (FTTP, FTTH, FTTN, FTTC)
2. Local Area Networks (LAN)
3. Test Equipment
4. CATV
5. Analog/Digital Passive Optical Networks (PON)



## 1×N PLC Splitter Specifications

(Measured at room temperature and excludes connector loss)

SPECIFICATIONS						
Port Configuration		1x2	1x4	1x8	1x16	1x32
Fiber Type		SMF				
Operating Wavelength (nm)		1280~1620				
Max. Insertion Loss	S	3.9	7.2	10.7	14	18
Return Loss (dB)	Min	50	50	50	50	50
Max. Uniformity (all wavelengths in pass band) (dB)	Max	0.7	0.8	1	1.2	2
Directivity (dB)	Min	50	50	50	50	50
Wavelength Dependent Loss(dB)	Max	0.3	0.3	0.3	0.8	0.5
Temperature Dependent Loss (-40~85 °C) (dB)	Max	0.5	0.5	0.5	0.8	0.8
Operating Temperature (°C)		-40~+85				
Storage Temperature (°C)		-40~+85				



Türksat Onay Kodu : TKS-OPS-03  
 Türksat Onay Kodu : TKS-OPS-04  
 Türksat Onay Kodu : TKS-OPS-05  
 Türksat Onay Kodu : TKS-OPS-06  
 Türksat Onay Kodu : TKS-OPS-07



## Order Information PLC

Wavelength	Port	Fiber Type	Input Pigtail	Fiber Length	In/Out Connector
35=1310/1550nm	0102=1x2	1=G652D	1=bare	1=1m	0=Adapter
13=1310nm	0104=1x4	2=G657A	fiber	2=1.2m	1=FC/APC
15=1550nm	0108=1x8	C=Customize	2=900µm jacket fiber	3=1.5m	2=FC/PC
	0116=1x16			C=Customize	3=SC/APC
	0132=1x32				4=SC/PC
	0164=1x64				5=ST
					6=LC
					C=Customize

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