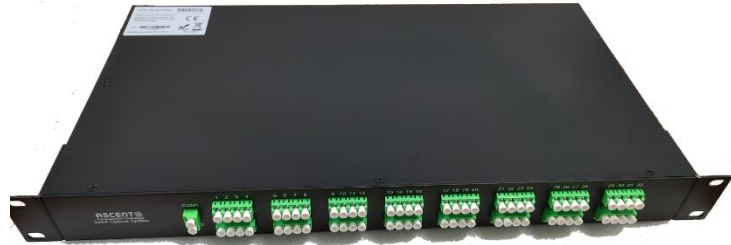


Optical Passives for HFC & FTTH PON Solutions

AOPC Series

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



ACT offers a complete line of Optical Splitters, which feature low insertion loss, high isolation and excellent wavelength stability. The optical splitters come as different form factor packages, 1RU 19" rack-mount chassis, standard LGX modules or flat box assemblies.

The 2x64 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.

ACT developed the complete series of 1xN and 2xN splitter products that are tailored for specific applications such as HFC, FTTx (P2P, P2MP), RFOG (Radio Frequency over Glass) applications, permitting DOCSIS and HFC to operate over a EPON/GPON compliant Passive Optical Network (PON) as commonly deployed for Fibre to the Home (FTTH) developments solution in high density FTTX networks to bring the video services to business and home premises.

Key Features

- Low Insertion loss
- High Return Loss
- Option Coupling Ratio
- Wide Operating Temperature
- Excellent Environmental & Mechanical Stability
- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- RoHS

Specifications

Parameter	Specification	
Operating Wavelength	1260 nm to 1650 nm	
Type	2x64	
Insertion Loss	Typical	20.5 dB
	Max	20.7 dB
Uniformity	Typical	2.0 dB
	Max	2.5 dB
PDL Max	Typical	0.2 dB
	Max	0.4 dB
Wavelength Department Loss	Typical	0.7 dB
	Max	1.0 dB
Temperature Department Loss	Typical	0.4 dB
	Max	0.5 dB
Directivity Min	55 dB	
Return Loss Min	55(50) dB	
Operating Temperature	-40 °C to +85 °C	
Storage Temperature	-40 °C to +85 °C	
Fiber Length	1m or Customized	
Fiber Type	G657A1	
Connector Type	Customized	
PLC-Splitter-Rack-Mountable	19" 1U Rack-Mount mm	

Note: Contact ACT for different packaging options. Losses excluding connector loss (a pair of connector loss max: 0.2 dB)

Ordering Information

Product Name

AOS-S-2-64-R-B000000-7

Product Description

Optical Coupler 1RU Rack Mount 2x64 even balanced LC/APC Connector

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