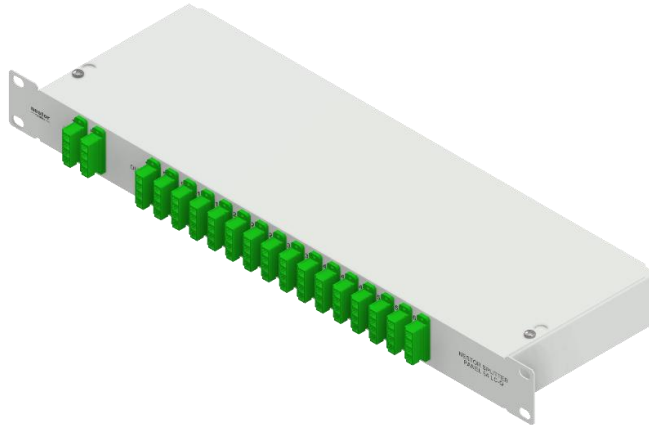


Nestor Splitter Panel



Description

- 19" modules for racks and cabinets consisting splitters with different coupling configurations
- Splitters have been made by using Planar Lightwave Circuit technology (PLC) that offers a low-cost solution for optical signal distribution and are suitable especially for passive optical networks (EPON, BPON, GPON etc.)

Features

- Low insertion loss and polarization dependent loss
- High channel number
- Excellent channel uniformity
- Wide operating wavelength and temperature range
- Great reliability
- Compact size assembly in one 19" module (1U)
 - Module dimensions 44 (H) x 430 (W) x 140 (D) mm

Configurations

Coupling configurations

QTY	1:2	1:4	1:8	1:16	1:32	1:64
1	SC/APC LC/APC	SC/APC LC/APC	SC/APC LC/APC	SC/APC LC/APC	SC/APC LC/APC	LC/APC
2	SC/APC LC/APC	SC/APC LC/APC	SC/APC LC/APC	SC/APC LC/APC	LC/APC	LC/APC
3	SC/APC LC/APC	SC/APC LC/APC	SC/APC LC/APC	LC/APC	LC/APC	N.A.
4	SC/APC LC/APC	SC/APC LC/APC	SC/APC LC/APC	LC/APC	LC/APC	N.A.
5	LC/APC	LC/APC	LC/APC	LC/APC	N.A.	N.A.
6	LC/APC	LC/APC	LC/APC	LC/APC	N.A.	N.A.
7	LC/APC	LC/APC	LC/APC	LC/APC	N.A.	N.A.
8	LC/APC	LC/APC	LC/APC	LC/APC	N.A.	N.A.



Applications

- FTTX
- Passive Optical Network (PON)
- Cable TV Network (CATV)
- Other optical signal splitter systems

Standard compliance

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- YD/T1117-2001

Specifications

Parameters	1:2	1:4	1:8	1:16	1:32	1:64
Manufacturing technology	Planar Lightwave Circuit technology (PLC)					
Wavelength	1260 – 1650 nm					
Fiber	G657A or customized					
Insertion Loss (without connector, max. dB)	3,8	7,1	10,2	13,5	16,5	20,2
Insertion Loss (with connector, max. dB)	4,1	7,4	10,5	13,8	16,8	20,5
Loss Uniformity (max. dB)	0,4	0,6	0,8	1,2	1,5	2,0
Reflection Loss (UPC, min. dB)	50	50	50	50	50	50
Reflection Loss (APC, min. dB)	60	60	60	60	60	60
Polarization Dependent Loss (max. dB)	0,20	0,20	0,20	0,25	0,30	0,35
Directivity (min. dB)	55	55	55	55	55	55
Wavelength Dependent Loss (max. dB)	0,5	0,5	0,5	0,8	0,8	1,0
Temperature Stability (-40°C...+85°C) (dB)	0,5	0,5	0,5	0,5	0,5	0,5
Operation Temperature (°C)	-40...+85					
Storage Temperature (°C)	-40...+85					