

Planar Light Wave Circuit (PLC) Splitters - ABS

Planar Light Wave Circuit (PLC) Splitters is a type of optical power management device that is fabricated using silica optical waveguide technology. It is small size, high reliability, wide operating wavelength range and good channel uniformity. It is widely used in PON networks to realize optical signal power splitting.

Features

- Low Insertion Loss
- Low PDL
- High Reliability
- High Stability
- Good Channel Uniformity

Applications

- FTTH
- CATV
- PON

Technical Specification

Parameter	Value					
Type	1x2	1x4	1x8	1x16	1x32	1x64
Operating Wavelength (nm)	1260-1650					
Insertion Loss (dB)	3.8	7.1	10.2	13.5	16.8	20.1
Loss Uniformity(dB)	0.6	0.6	0.8	1.0	1.5	2.0
PDL(dB)	0.2	0.2	0.2	0.3	0.3	0.3
Return Loss (dB)	55	55	55	55	55	55
Directivity (dB)	55	55	55	55	55	55
Wavelength Dependent Loss (dB)	1.0	1.0	1.0	1.0	1.0	1.0
Pigtail Length(m)	1.0 (±0.1) or customer specified					
Fiber Type	ITU G657A1 or customer specified					
Operating Temperature (°C)	-40 ~ 85					
Storage Temperature(°C)	-40 ~ 85					
Type	2x2	2x4	2x8	2x16	2x32	2x64
Operating Wavelength (nm)	1260-1650					
Insertion Loss (dB)	4.1	7.4	10.5	13.8	17.1	20.3
Loss Uniformity(dB)	0.6	0.6	0.8	1.0	1.5	2.0
PDL(dB)	0.2	0.2	0.2	0.3	0.3	0.3
Return Loss (dB)	55	55	55	55	55	55
Directivity (dB)	55	55	55	55	55	55
Wavelength Dependent Loss (dB)	1.0	1.0	1.0	1.0	1.0	1.0

Parameter	Values
Pigtail Length(m)	1.0 (±0.1) or customer specified
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Operating Temperature (°C)	-40 ~ 85
Storage Temperature(°C)	-40 ~ 85

Ordering Information

Part Code	Description
3C-PLC-ABSY-ZZZ	Planar Light Wave Circuit (PLC) Splitters - ABS

Y-input and output (102-1x2, 108-1x8, 132-1x32, 202-2x2, 208-2x8, 232-2x32
104-1x2, 116-1x16, 164-1x64, 204-2x4, 216-2x16, 264-2x64)
Z-Connector (FCP=FC/PC, FCA=FC/APC, LCP=LC/PC, LCA=LC/APC,
SCP=SC/PC, SCA=SC/APC)

