



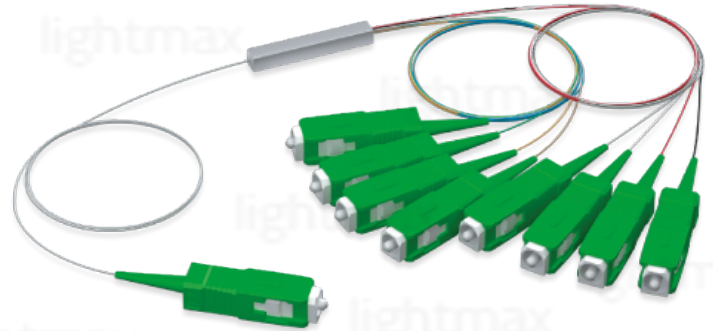
Optical Fibre Splitter

PLC Optical Splitter Module with connectors

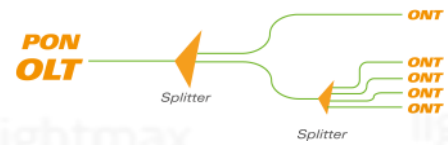
PLC (Planar Lightwave Circuits) splitters are developed using silica glass waveguide circuits and aligned fibre pigtails, integrated inside a miniature package. PLC splitters provide low-cost solution for optical signal distribution.

Features:

- Good durability.
- Good exchangeability.
- High temperature stability.
- Low insertion loss.
- Environmentally stable.
- Available in 1*N configuration.



[Pictures only for reference purposes]



Applications:

- FTTX systems.
- LAN, WAN and Metro Networks.
- Analog/Digital Passive Optical Networks.
- CATV networks.
- Test Equipment.
- Other applications in fibre optic systems.

SPECIFICATIONS(*)							
		1 x 2	1 x 4	1 x 8	1 x 16	1 x 32	1 x 64
Operating wavelength	nm	1260 ~ 1660					
Fibre Type	—	G.652.D or G657A under requested					
Insertion Loss	dB	3.8/4.0	7.1/7.3	10.2/10.5	13.5/13.7	16.5/16.9	20.5/21.0
Loss Uniformity	dB	0.4	0.6	0.8	1.2	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.25	0.3	0.35
Return Loss	dB	55/50	55/50	55/50	55/50	55/50	55/50
Directionality	dB	55	55	55	55	55	55
Wavelength Dependent Loss	dB	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Stability (-40°~85°)	dB	0.4	0.4	0.4	0.5	0.5	0.5
Package	Dimensions	mm	60 x 7 x 4		60 x 12 x 4	80 x 20 x 6	100 x 40 x 6
	Material	—	Stainless steel				
Operating Temperature	°C	-40 ~ 85					
Storage Temperature		-40 ~ 85					
Connector Type(**)	—	SC/UPC - SC/APC - LC/UPC - LC/APC - FC/UPC - FC/APC					
Standards						GR-1209-CORE	
						GR-1221-CORE	
						RoHS	

- ^(*)Specifications for PLC Optical Splitter without fibre optic connectors.
- ^(**)Each connector will add a 0.30 dB loss.

REMARK: Parameters not include fibre loss

Part Numbers

SPT1X2SMSCASCA	SPT1X3SMSCASCA	SPT1X4SMSCASCA
SPT1X8SMSCASCA	SPT1X16SMSCASCA	SPT1X32SMSCASCA

Rel. 5-EN/AUG24