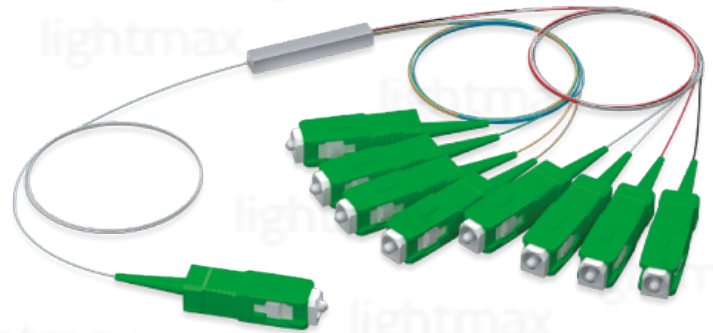




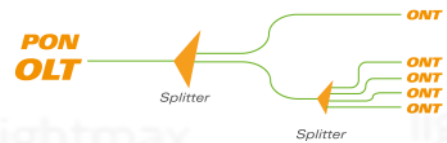
## Optical Fibre Splitter

### PLC Optical Splitter Tube with SC/A connectors SM G.652D - fibre (also G.657.A2 on request) 1 X 2~64 SM (900µm)

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



[Pictures only for reference purposes]



#### Features:

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

#### Applications:

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

			SPECIFICATIONS <sup>(*)</sup>					
			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	°C		-40 ~ 85					
Connector Type <sup>(**)</sup>	-		SC/APC					
Standards			GR-1209-CORE GR-1221-CORE RoHS					

- <sup>(\*)</sup>Specifications for PLC Optical Splitter without fibre optic connectors.  
- <sup>(\*\*)</sup>Each connector will add a 0.30 dB loss.

REMARK: Parameters not include fibre loss

#### Part Numbers

SPT1X2SMSCASCA	SPT1X3SMSCASCA	SPT1X4SMSCASCA
SPT1X8SMSCASCA	SPT1X16SMSCASCA	SPT1X32SMSCASCA

Rel. 3-EN/FEB23