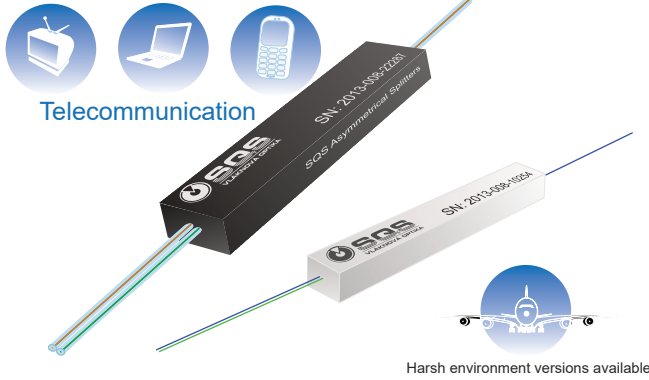




# PLC Asymmetrical Splitters

Telecommunication Asymmetrical PLC Splitters  
PM Version upon request (ER > 25 dB)



### Features

- Wavelength independent optical parameters
- PM Version with high polarization extinction ratio
- Functionality within wide temperature range
- Housing, optical fibers, connectors according to customers request
- Harsh environment housing available

SQS developed and manufactures also asymmetrical PLC splitters providing asymmetrical division of input optical signal energy into two output channels. SQS is capable of supplying PLC splitters with practically any output signal division ratio. Currently we supply asymmetrical PLC splitters with output optical signal divided in the following ratios: 30/70, 20/80, 10/90, 5/95 a 2/98.

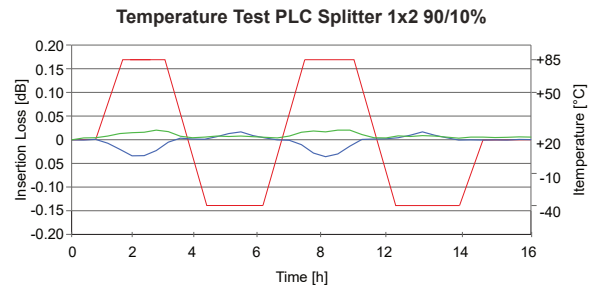
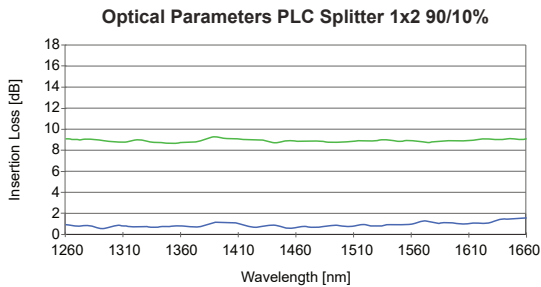
### Specification Asymmetrical Splitters, Splitting ratio 60/40%, 70/30%, 80/20%, 90/10%, 95/5%, 98/2%

PLC Asymmetrical Splitters	Ratio %	Insertion Loss max: dB	Polarization Dependent Loss: dB	Return Loss: dB	Directivity: dB	Wavelength range: nm	Fiber type	Operating and storage temperature °C	Pigtail style 250 µm mm	Pigtail style 900 µm mm	Pigtail style 2mm mm
PLC Splitters 1x2	60/40	3.5/4-6	≤ 0.2	≥ 55	≥ 55	1260-1650	SM(G.652.D/G.657.A)	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	70/30	3.0/5-7	≤ 0.2	≥ 55	≥ 55	1260-1650	SM(G.652.D/G.657.A)	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	80/20	2.6/7-9	≤ 0.2	≥ 55	≥ 55	1260-1650	SM(G.652.D/G.657.A)	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	85/15	2.1/8-10	≤ 0.2	≥ 55	≥ 55	1260-1650	SM(G.652.D/G.657.A)	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	90/10	1.8/9-12	≤ 0.2	≥ 55	≥ 55	1260-1650	SM(G.652.D/G.657.A)	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	95/5	1.2/12-15	≤ 0.2	≥ 55	≥ 55	1260-1650	SM(G.652.D/G.657.A)	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	98/2	1.0/15-18	≤ 0.2	≥ 55	≥ 55	1260-1650	SM(G.652.D/G.657.A)	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90

### Specification Asymmetrical PM Splitters, Splitting ratio 60/40%, 70/30%, 80/20%, 90/10%, 95/5%, 98/2%

PLC Asymmetrical Splitters	Ratio %	Polarization Extinction Ratio dB	Insertion Loss max: dB	Polarization Dependent Loss: dB	Return Loss: dB	Directivity: dB	Wavelength range: nm	Fiber type	Operating and storage temperature °C	Pigtail style 250 µm mm	Pigtail style 900 µm mm	Pigtail style 900 µm mm
PLC Splitters 1x2	60/40	> 25	3.9/4-6	≤ 0.2	≥ 55	≥ 55	1260-1650	PM13, PM15 or Demand	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	70/30	> 25	3.5/5-7	≤ 0.2	≥ 55	≥ 55	1260-1650	PM13, PM15 or Demand	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	80/20	> 25	3.0/7-9	≤ 0.2	≥ 55	≥ 55	1260-1650	PM13, PM15 or Demand	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	85/15	> 25	2.5/8-10	≤ 0.2	≥ 55	≥ 55	1260-1650	PM13, PM15 or Demand	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	90/10	> 25	2.0/9-12	≤ 0.2	≥ 55	≥ 55	1260-1650	PM13, PM15 or Demand	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	95/5	> 25	1.5/12-15	≤ 0.2	≥ 55	≥ 55	1260-1650	PM13, PM15 or Demand	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90
PLC Splitters 1x2	98/2	> 25	1.2/15-18	≤ 0.2	≥ 55	≥ 55	1260-1650	PM13, PM15 or Demand	-40 to +85	5.6x10x69	5.6x10x69	7.5x12x90

\*) PM splitters for shorter wavelengths available



### PON (Passive Optical Network)

