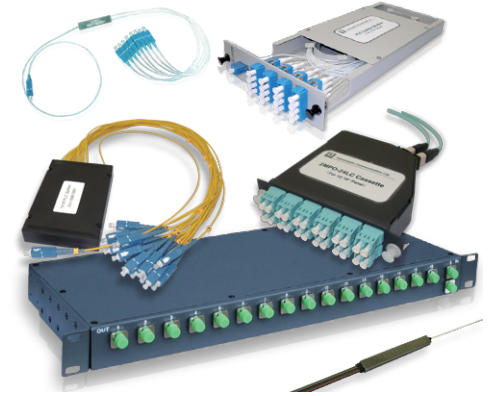


Planar Lightwave Circuit Splitter

The single-mode Planar Lightwave Circuit Splitter (PLCS) is built on a unique quartz-glass waveguide with precision-aligned fibre pigtails in a miniature package. It provides a low-cost light-distribution solution with a small form factor and high reliability, delivering low insertion loss, low PDL, high return loss and excellent uniformity across a wide wavelength range of 1260–1620 nm and an operating temperature of –40 °C to +85 °C. Standard configurations include 1×2, 1×4, 1×8, 1×16 and 1×32, with customised structures such as 2×16 and 2×32 available on request.

Features

- Low insertion loss and low PDL
- Wide operating wavelength range
- Compact design
- High reliability
- High channel counts
- Wide operating temperature range
- Customised packaging and configuration



Applications

- FTTx systems
- LAN, WAN and Metro networks
- CATV networks
- Analog / Digital Passive Optical Networks
- Other fibre-optic systems

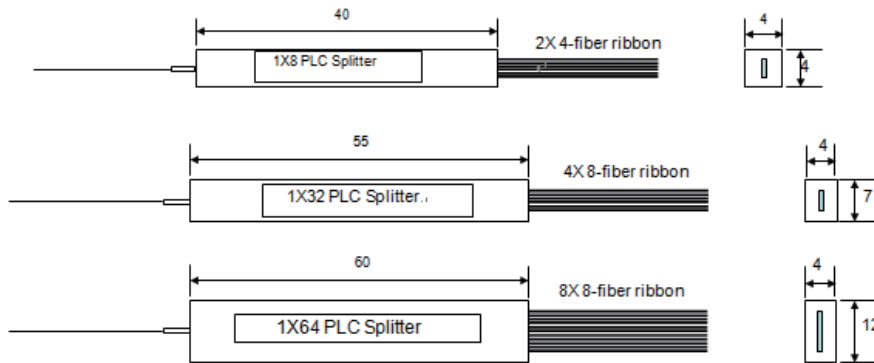
Specification

Item	Specification									
Port Configuration	1×2	1×4	2×4	1×8	2×8	1×16	2×16	1×32	2×32	1×64
Operating Wavelength (nm)	1260 ~ 1650									
Fibre Type	G652D or G657A									
Insertion Loss (dB)	≤4.3	≤7.2	≤7.5	≤10.5	≤11.2	≤13.6	≤14.6	≤17.0	≤17.5	≤21
Loss Uniformity (dB)	≤0.5	≤0.6	≤1.2	≤0.8	≤1.5	≤1.4	≤2.0	≤1.6	≤2.5	≤2.5
PDL (dB)	<0.2	<0.3								<0.5
Directivity (dB)	>55									
Return Loss (dB)	>55									
Operation Temperature (°C)	-40 ~ 85									
Storage Temperature (°C)	-40 ~ 85									

Package Dimensions & Pigtail Style

TYPE	Basic Type PLCS	SFF Type PLCS (For $\phi 0.9$ mm Loose Tube)	ABS Module Type PLCS		Blade Package PLCS	Rack Mount PLCS
			For Pigtail $\phi 2.0$ mm	For Pigtail $\phi 3.0$ mm		
1x2	4*4*40	4*7*50	100*80*10	100*80*10	130*100*25	480*240*45
1x4	4*4*40	4*7*60	100*80*10	100*80*10	130*100*25	480*240*45
1x8	4*4*40	4*7*60	100*80*10	120*80*18	130*100*25	480*240*45
1x16	4*4.5*45	4*12*60	120*80*18	120*80*18	130*100*50	480*240*45
1x32	4*7*50	6*20*80	120*80*18	140*115*18	130*100*102(76)	480*240*45
1x64	4*12*60	6*40*100	140*115*18	140*115*18	130*100*206(154)	480*240*89
2x4	4*4.5*50	4*7*60	100*80*10	100*80*10	130*100*25	480*240*45
2x8	4*4.5*50	4*7*60	100*80*10	120*80*18	130*100*25	480*240*45
2x16	4*7*60	4*12*60	120*80*18	120*80*18	130*100*50	480*240*45
2x32	4*7*60	6*20*80	120*80*18	140*115*18	130*100*102(76)	480*240*45
2x64	4*12*60	6*40*100	140*115*18	140*115*18	130*100*206(154)	480*240*89

Basic Type PLC Splitter



SFF Type PLC Splitter

