

PLC Splitter



Product Presentation

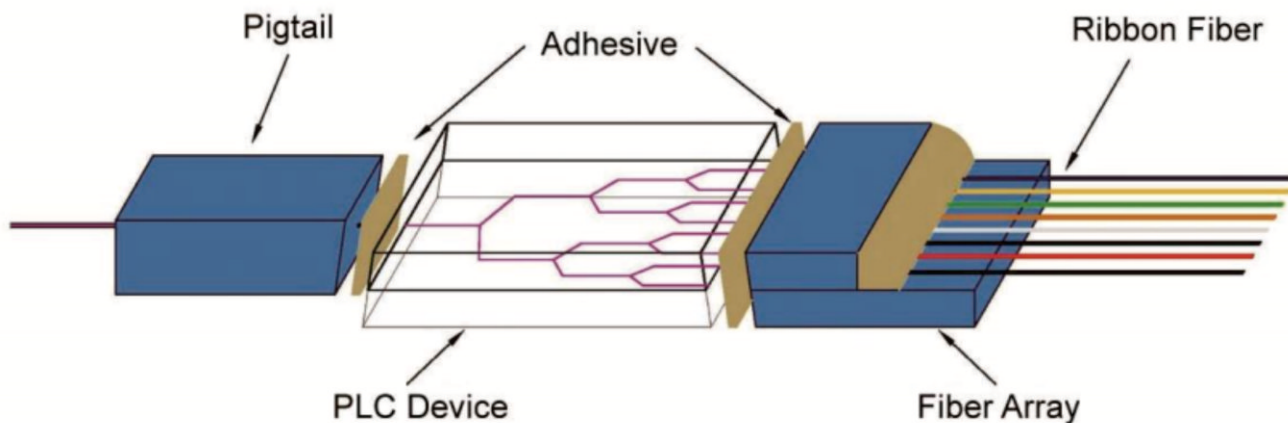
(PLCSplitter)--PLCSplitter is an integrated waveguide optical power splitter based on quartz substrate, currently available in 1×N and 2×N Two types. The 1×N and 2×N splitter evenly input the optical signals into multiple outlets from a single or double inlet, or work in reverse to integrate multiple optical signals into a single or double fiber.

Applications

- ITelecommunication sector
- IPON System
- IFTTH
- ICATV
- IVideo Transmission

Features

- Wide working wavelength
- Low insertion loss
- Low polarization-dependent loss
- Miniaturized design
- Good channel-to-channel consistency
- High reliability and stability
- Passed GR-1221-CORE Reliability Test
- Passed GR-12091-CORE Reliability Test



Technical Specification

Items		Unit	Specification						
Test Wavelength		(nm)	1260~1650						
1*N		--	1*2	1*4	1*8	1*16	1*32	1*64	1*128
Insertion Loss	MAX (P/S)	(dB)	3.8/4.0	7.0/7.4	10.5/10.7	13.6/13.9	16.6/16.9	21/21.5	24/24.5
Channel Uniformity	MAX (P/S)	(dB)	0.6/0.6	0.6/0.7	0.8/1.0	0.9/1.2	1.2/1.4	1.7/1.9	2.2/2.5
Return Loss	MIN	(dB)	55						
Polarization Dependent Loss	MAX (P/S)	(dB)	0.15/0.25	0.15/0.25	0.2/0.25	0.2/0.3	0.25/0.3	0.25/0.35	0.4/0.45
2*N		--	2*2	2*2	2*8	2*16	2*32	2*64	--
Insertion Loss	MAX (P/S)	(dB)	4.0/4.3	4.0/4.3	10.7/11.0	14/14.5	17.5/18	21.4/21.9	--
Channel Uniformity	MAX (P/S)	(dB)	0.9/1.1	0.9/1.1	1.0/1.2	1.2/1.5	1.5/1.8	2.0/2.3	-
Return Loss	MIN	(dB)	55						
Polarization Dependent Loss	MAX (P/S)	(dB)	0.25/0.3	0.25/0.3	0.25/0.3	0.3/0.35	0.3/0.35	0.35/0.4	--
Fiber Type		--	ITU-T G657A1/G657A2						
Temperature Stability	MAX	(dB)	0.5(Typical 0.3)						
Operating Temperature		(°)	-40 ~ +75						
Storage Temperature		(°)	-40 ~ +75						