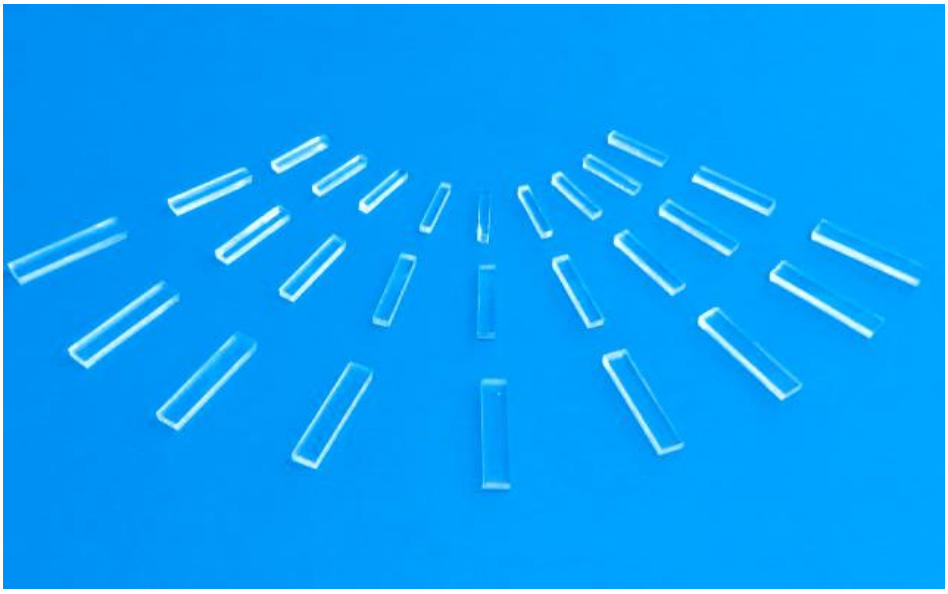
PLC Chip



Description

Based on Planar Lightwave Circuit technologies, PLC splitter chips can uniformly divide and guide light in the wavelength ranges from 1260nm to 1650nm. With low insertion loss (IL), low Polarization Dependent Loss (PDL) and high reliability, PLC splitter chips have been widely used in FTTx and other optical communication systems.

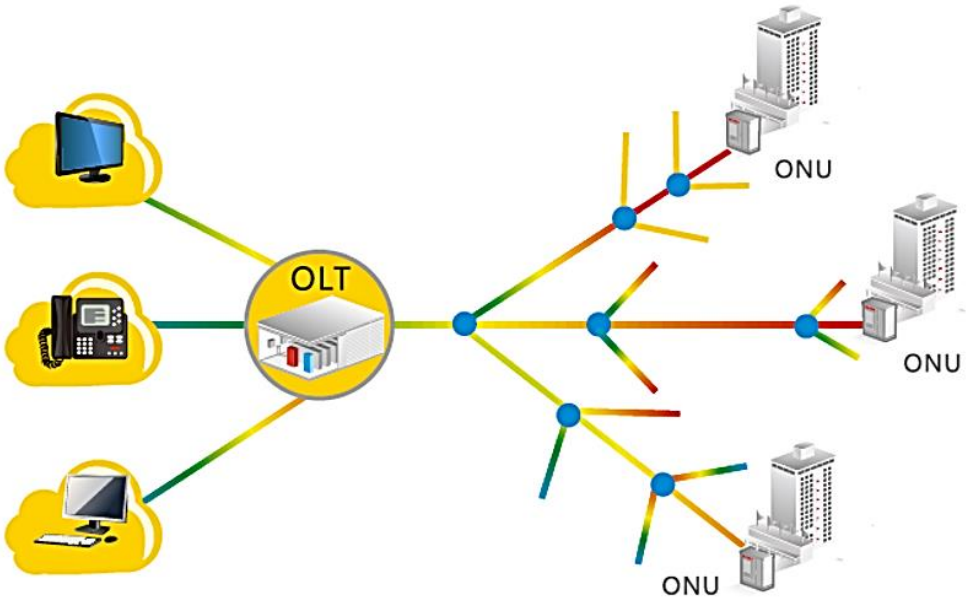
Features

- Low PDL
- Low IL
- Wide operating wavelength: 1260-1650nm
- Compact size
- RoHS compliance

Applications

Optical communication networks, Telecom equipment, Three-Network-Integration systems, including Signal/power distribution, Fiber-To-The-Home (FTTH), Passive Optical Network (PON).

8 Jinxiu Middle Road, Pingshan, Shenzhen, Guangdong, 518118, P. R. China
+86 755 32983688 | info@china-tscom.com | www.china-tscom.com



Optical Specifications

Parameter	Class	Unit	1x2	1x4	1x8	1x16	1x32	1x64
Operating Wavelength	-	nm	1260 -1650					
Insertion Loss	P	dB	3.6	6.7	9.8	13.0	16.2	19.8
PDL	P	dB	0.15	0.15	0.2	0.25	0.25	0.3
Uniformity	P	dB	0.5	0.5	0.6	0.8	1.0	1.2
Return Loss	-	dB	-	⩾55				
Directivity	-	dB	-	⩾55				
Operating Temperature	-	℃	-	-40~+85				
Storage Temperature	-	℃	-	-40~+85				

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