PLC Splitter

YIXI益熙

Features:

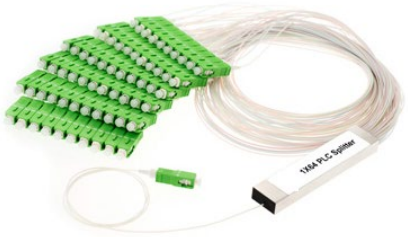
Low Insertion loss
Low PDL
High Return Loss
Uniform Power Splitting
Compact Design

Applications:

FTTx (FTTB, FTTH, FTTC)
Passive Optical Networks (PON)
Local Area Networks (LAN)
CATV Systems

Compliance with international standards

PLC optical splitter with RoHS compliant, meets the IEC 61300-2, TelcordiaGR-1209-CORE and GR-1221-CORE.

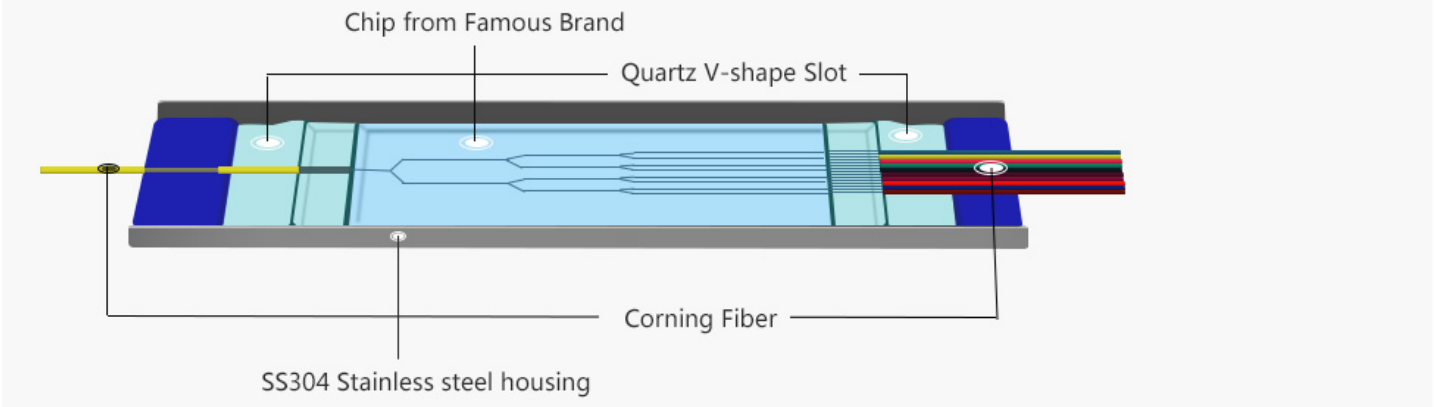


GR-1209-CORE | GR-1221-CORE | IEC 61300-2 | RoHS COMPLIANT

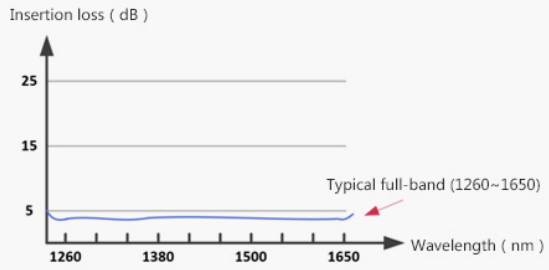
Specifications:

Splitter 1xN, 2xN, MXN with 900μm fiber
Length of the input fiber: 1m -0/+0,05m, 1.5m -0/+0,05m or customized
Length of the output fibers (with connector): 1m -0/+0,05m, 1.5m -0/+0,05m or customized
Fiber type: SM G657 A1 / G657 A2
Connectors: SA/APC, LC/APC, FC/APC...as customized
Colors of output: blue, orange, green, brown, grey, white, red, black

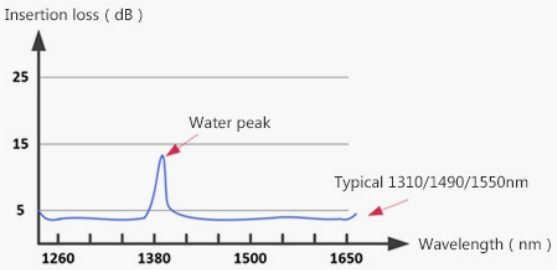
Class I	1xN		2XN	
IL max (dB)	0,5 + 3,4*log2N		0,7 + 3,5*log2N	
IL min (dB)	0,5 + 3,3*log2N		0,7 + 3,4*log2N	
N output ports	IL min	IL max	IL min	IL max
2	3,8	3,9	4,1	4,2
4	7,1	7,3	7,5	7,7
8	10,4	10,7	10,9	11,2
16	13,7	14,1	14,3	14,7
32	17,0	17,5	17,7	18,2
64	20,3	20,9	21,1	21,7



The PLC splitter is insensitive to wavelength and has full-band signal transmission from 1260 to 1650 nm.

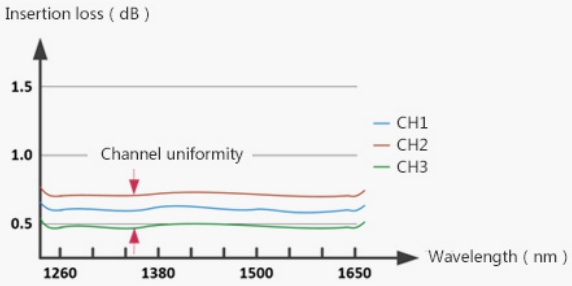


PLC Device
Without water peak, 1260~1650nm full-band work

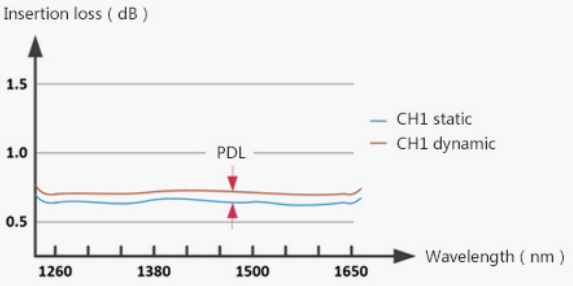


FBT (Fused) Device
There are water peaks, can't working in full band

The PLC fiber optic splitter has lower channel uniformity, ensuring that each channel can be reach almost the same when distributing optical power; Lower PDL values ensure stability during signal transmission.



Typical uniformity≤1.0dB



Typical PDL≤0.3dB

The PLC optical splitter provided can support the harsh environment of -40 ° C ~ +85 ° C to ensure the stable transmission of signals.