

PLC Splitter

Rack Type PLC Splitter



DESCRIPTION

Welltech Enterprises PLC splitter is based on silicon dioxide waveguides, which is used to connect main equipment and terminal equipment in EPON, BPON and GPON network.

FEATURES

- Qualified with CE certificate and ROHS certificate.
- Comply with GR-1209-CORE, GR-1221-CORE, YD/T 2000.1-2014 and IEC criterion.

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HOUSING SIZE AND RIBBION:

P 3 Size of 2U 19 Inch Chassis

T 3.1 19 Inch Chassis Dimension

Type	Requirement	
	W x H x D (mm)	Remark
N: 2~N: 32	1U, (482±2) x (44±0.5) x (200±2)	width of rack without bracket is 433mm, tolerances is ±2mm.
N: 64	2U. (482±2) x (88±0.5) x (200±2)	

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OPTICAL PARAMETER:

T4.1 1×N (N≥2)PLC splitter optical parameter

Parameter	1X2	1x4	1x8	1x16	1x32	1x64
Wavelength (nm)	1260 ~ 1650					
IL (dB)	≤4.1	≤7.4	≤10.5	≤13.8	≤17.1	≤20.4
Uniformity (dB)	≤0.6	≤0.7	≤0.8	≤1.0	≤1.5	≤2.0

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RL (dB)		≥50(PC); ≥55(APC)					
PDL (dB)		≤0.15	≤0.2	≤0.2	≤0.3	≤0.3	≤0.3
Directivity (dB)		≥55	≥55	≥55	≥55	≥55	≥55
Environment	Operating temp(°C)	-40~85°C					
	Storage temp(°C)	-40~85°C					
	Humidity	≤95% (+40°C)					
	Atmospheric pressure	62~106kPa					
Fiber		SM G657A or customized					
Connector		SC, FC, LC					
Pigtail (mm)		1000, 1500, 2000 or customized					

T4.2 2×N (N≥2) PLC splitter optical parameter

Parameter	2X2	2x4	2x8	2x16	2x32	2x64
Wavelength (nm)	1260 ~ 1650					
IL (dB)	≤4.4	≤7.7	≤10.8	≤14.1	≤17.4	≤20.7

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Uniformity (dB)		≤0.8	≤1.0	≤1.0	≤1.5	≤1.8	≤2.0
RL (dB)		≥50(PC); ≥55(APC)					
PDL (dB)		≤0.2	≤0.2	≤0.3	≤0.3	≤0.3	≤0.4
Directivity (dB)		≥55	≥55	≥55	≥55	≥55	≥55
Environment	Operating temp(°C)	-40~85°C					
	Storage temp(°C)	-40~85°C					
	Humidity	≤95% (+40°C)					
	Atmospheric pressure	62~106kPa					
Fiber		SM G657A or customized					
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