

Westell® | Optical Splitter Series

PLC Cassette Type Splitters, OSP-H



General Information

Westell's optical splitter uses Planer Lightwave Circuit (PLC) technology for a split ratio of 2, 4, 8, 16, 32 and 64. Designed for cassette splitters, the optical splitter cassette type refers to the port 2.0 mm / 3.0mm slip on fiber multichannel direct output. Easy to use, and shipped in plastic packaging for protection.

Product Highlights

- Low Insertion loss
- Low PDL
- Compact Design
- Good channel to channel uniformity
- Wide Operating Wavelength: From 1260nm to 1650nm
- Wide Operating Temperature: From -40° C to +85° C
- High Reliability and Stability

Standards

- YD/T 2000.1 2014
- GR 1209 Core
- GR 1221 Core
- ISO/IEC 11801 Generic cabling for customer premises

Applications

- FTTX , LAN/WAN, and CATV networks

Product Specifications

Category		Specification	Notes
Fiber Type		G657A1 or G652D	
Cable	Diameter in (mm)	φ .06, .07, .08, or .11 (φ 1.6, 1.8, 2.0, or 3.0)	
	Material	PVC or LSZH	
	Color	Output: Yellow Input: Green	Other Color by Request
	Length	40" (1M) Both Input and Output	Minimum of 39.4" (0.3M)
Connector Type		SC, LC, or none	
Number Tube		Yes	Other Format by Request



Product shown: FDSPLT132SA -SC/APC 1:32 splitter

Ordering Information

Part Number	Description
FDSPLT18SA	SC/APC 1:8 splitter
FDSPLT116SA	SC/APC 1:16 splitter
FDSPLT132SA	SC/APC 1:32 splitter
FDSPLT164SA	SC/APC 1:64 splitter
FDSPLT216SA	SC/APC 2:16 splitter

Technical Specifications

Category		Specification				
Parameters		1x8	1x16	1x32	1x64	2x16
Operation Wavelength (nm)		1260 - 1650				
Insertion Loss (dB)	Exclude Connector	≤10.5	≤13.5	≤16.5	≤20.5	≤13.8
	With Connector	≤11.0	≤14.0	≤17.0	≤21.0	≤14.2
PDL		≤0.2	≤0.3	≤0.3	≤0.3	≤0.2
Channel Uniformity		≤0.8	≤1.2	≤1.5	≤1.8	≤0.8
Return Loss (dB)		UPC≥50; APC≥55				
Directivity (dB)		≥55				
High Power Operation (mW)		100				
Working / Storage Temp.		-40° ~ +185° F / -40° ~ +85° C				
Humidity		185° F / 85° C, 85% RH, 2000H				
Air Pressure		Air Pressure 62kPa - 101kPa				



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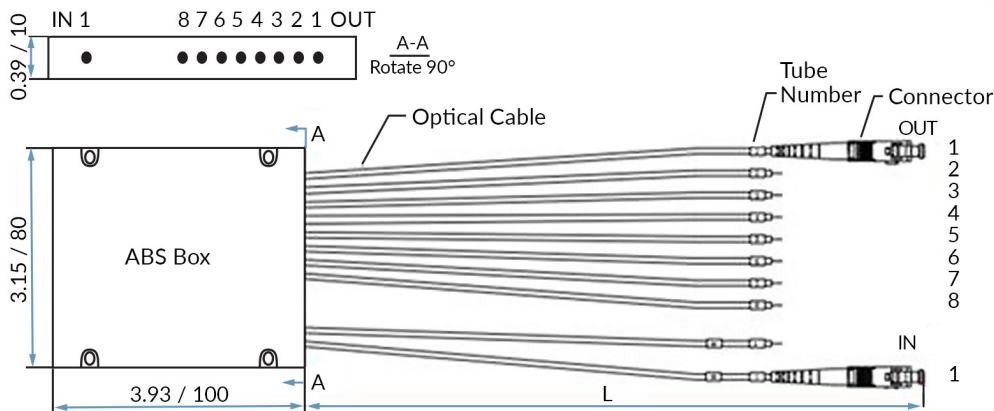
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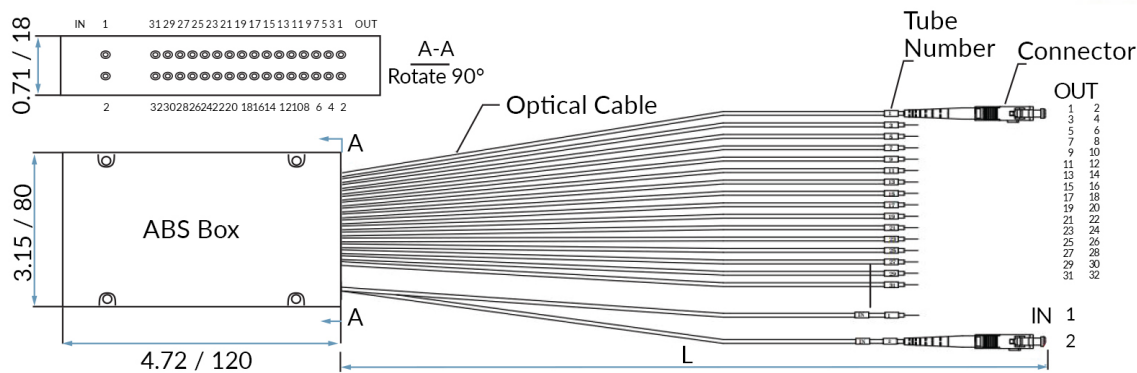


Mechanical Drawings

Ratio:	1x8
Dimension: (in/mm)	3.93x3.15x0.39 / 100x80x10
Connector Options:	SC, LC, or None
Pigtail Diameter: (in/mm)	Ø .06, .07, .08, .12 / Ø 1.6, 1.8, 2.0, 3.0



Ratio:	1x16, 1x32, 1x64, 2x16
Dimension: (in/mm)	4.72x3.15x0.71 / 120x80x18
Connector Options:	SC, LC, or None
Pigtail Diameter: (in/mm)	Ø .06, .07, .08, .12 / Ø 1.6, 1.8, 2.0, 3.0



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