



## 1x8 Optical Power Splitter

### Description

Our high-performance optical splitters are engineered to deliver exceptional optical performance and long-term environmental reliability. Designed with premium components, they feature ultra-low insertion loss and low polarization dependent loss (PDL) to maximize signal integrity, while a high return loss minimizes back-reflection across your network. Capable of handling a maximum input power of up to 300 mW, these splitters support a completely customizable split ratio to seamlessly align with your specific architectural needs and optical power budgets.

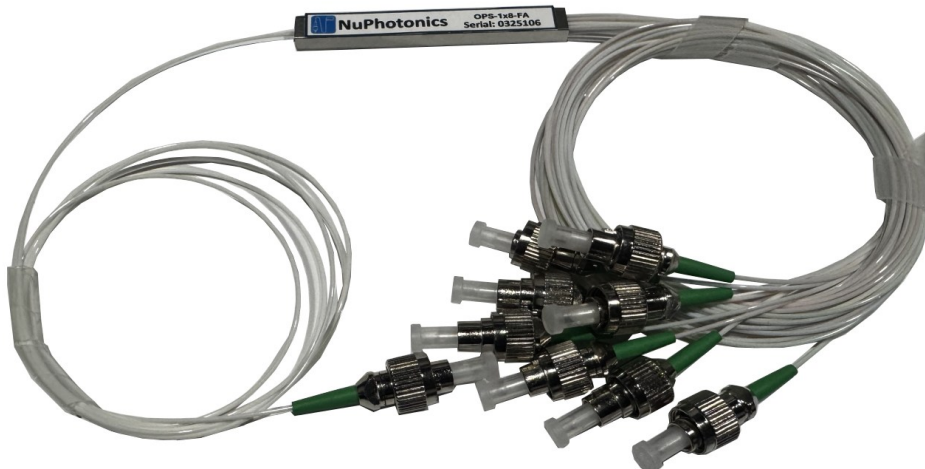
### Features

- Low insertion Loss
- Low PDL
- Excellent environmental reliability
- 300 mW maximum input power
- Customizable split ratio
- High return loss



### Applications

- Long Reach Analog Transmission Systems
- Test Equipment
- Optical Communication

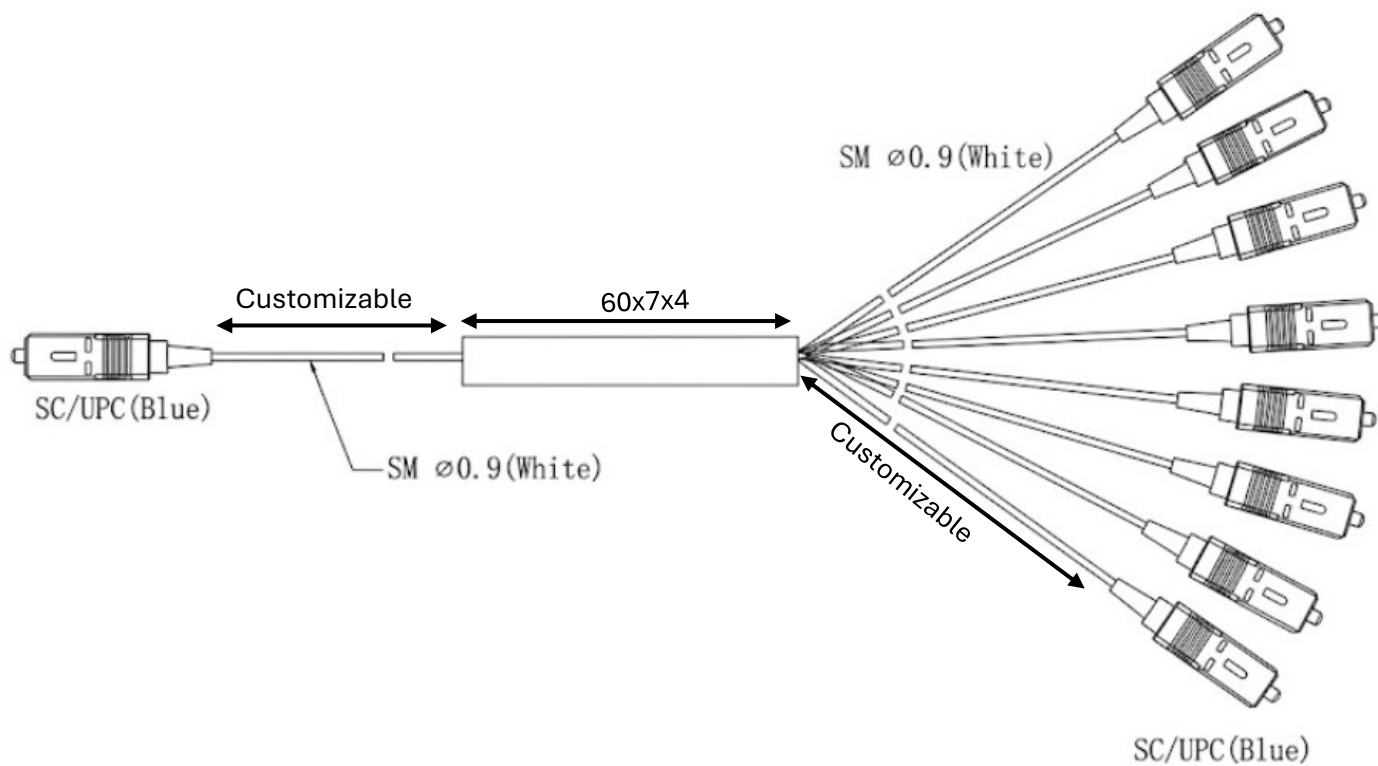


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## Electro-Optical Characteristics (Top 23 ± 30c, unless otherwise specified)

Parameter	Symbol	Specification
Operating wavelengths	$\lambda$	1260-1650 nm
Split Ratio (Even)	-	1:8
Insertion Loss	IL	$\leq 10.8$
Uniformity	-	$\leq 0.5$
Polarization Dependent Loss	PDL	$\leq 0.2$
Return Loss	RL	$\geq 50$
Directivity	--	$\geq 50$
Maximum Power Handling	Pmax	$\geq 300$
Operating Temperature	-T	-50°C – 100°C

## Mechanical Drawing



Device Nomenclature

**OPS-1x8-XX**

**Product Line –  
Optical Power Splitter**

**Number of splits**

- 1x2
- 1x4
- 1x8
- 1x16
- 1x32
- 1x64

**Optical Connector**

- (00) No Connector
- (FA) FC/APC
- (FP) FC/PC
- (SA) SA/APC
- (SP) SC/PC

Example – OPS-1x8-FA

1 to 8 Optical Power splitter FC/APC



# IMPORTANT NOTICES AND DISCLAIMERS

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## Definitions: Product State

**Alpha Build** – Device is in internal engineering development and testing. Specifications are subject to significant change.

**Beta Build** – Device is available for external evaluation and engineering sampling. Specifications are subject to minor change.

**Production Build** – Device is released for production. Minor cosmetic or appearance variations may occur.

**Obsolete** – Device is no longer in production and is not supported.

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## Revision History

1.1 – May 2026 – Initial release