



PLANAR LIGHTWAVE CIRCUITS

1060 nm PLC 1x4 and 1x8 Optical Splitters

PRODUCT DATASHEET

The EM4 high reliability, high grade and superior performance 1060 nm planar lightwave circuits (PLC) based planar waveguide optical signal splitters are the component of choice to combine or split optical power in optical fiber networks and systems.

They are designed to meet the technical requirements of a broad range of applications at a competitive price/performance ratio.

These high quality single mode optical components available in port configurations such as 1x4 and 1x8. Offered with different mechanical packaging options and jacket options such as 250 μm bare fiber, 250 μm ribbon and 900 μm tubing. Connector options include ST, FC, SC, LC, FC/APC and SC/APC. For custom applications G&H also offers free-space/un-packaged.



Key Features

- Low optical loss
- High reliability

Applications

- Medical/bio
- Life sciences
- OCT systems
- Sensors
- Navigation/gyroscopes

Optical Specifications

1060 nm planar lightwave circuits 1x4 and 1x8 optical splitters

1x4 and 1x8 Specification		
U-grade		
Port configuration	1x4	1x8
Wavelength	1060±10 nm	
Maximum insertion loss ^{1,2}	8.5 dB	11.9 dB
Uniformity ^{1,2}	0.8 dB	1.2 dB
Polarization-dependent loss ²	<0.2 dB	
Return loss ²	>55 dB	
Directivity	>55 dB	
Fiber type	Corning HI1060	
Storage/operating temperature	0 to +70°C	
Packing dimensions	70x10x5.6 mm	

1 Data valid under any combination of polarization, environmental and mechanical conditions.

2 Without connectors.

Order Code

										①	②					③	④	⑤			
8	1	-	3	2	7	0	6	-			-	1	B								
①②		Output ports					4					8									
		Code					04					08									
③		Jacket					250 µm Bare														
		Code					A														
④		Connector style					None	ST	FC	SC	LC	FC/APC	SC/APC								
		Code					0	1	2	3	4	5	6								
⑤		Lead length					Non-standard					0.5 m					1 m				
		Code					0					1					2				

Specifications are based on non-connectorized products. For connectorized specifications, please contact sales for details. Custom optical and mechanical configurations are available upon request.

For further information

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