

At AMF, our Photonic Design Kits (PDKs) are a cornerstone of our technological leadership. With SiPhab, our industry-leading PDK brand, we are proud to offer one of the most comprehensive and advanced Silicon Photonics PDKs globally, trusted by designers and engineers worldwide.

## Why Choose AMF PDKs?

### ✓ Comprehensive Device Library

With over 110 device IPs, AMF's SiPhab PDK covers a wide range of active and passive photonic components, enabling the development of diverse and advanced photonic systems.

### ✓ Seamless Integration and Support

Fully supported by all major EDA vendors, including Luceda, Cadence, Synopsys, K-Layout, GDSFactory, and others, our PDKs seamlessly integrate into your existing workflows.

### ✓ Continuous Innovation

Our PDKs undergo regular updates (new device addition as well as ongoing performance improvements) driven by customer feedback and industry needs, ensuring you're always ahead of the curve.

## Explore AMF PDK devices

	O-Band			C-Band			
GP	56 GBaud Mod	SiN to Si Spot Size Convertor	SiN Edge Coupler	56 GBaud Modulator	Si Edge Coupler	Si Polarization Beam Rotator Combiner	Si Thermal Optical Phase Shifter
	28 GBaud Photodetector	Si and SiN Crossing	Si Grating Coupler	110 GBaud Photodetector	Si Grating Coupler	Si Polarization Beam Rotator Splitter	
	Power Monitor Photodetector	SiN Thermal Opt Phase Shifter	Si Polarization Beam Rotator Combiner	28 GBaud Photodetector	SiN 1x2 MMI	Si Polarization Beam Splitter	SiN Thermal Optical Phase Shifter
	120 GBaud Photodetector	Si Thermal Opt Phase Shifter	Si Polarization Beam Rotator Splitter	80 GBaud Photodetector	SiN 2x2 MMI	Si Crossing	
	SiN 1x2 MMI	Si 1x2 MMI	Si Polarization Beam Splitter	Power Monitor Photodetector	Si 1x2 MMI	SiN Crossing	
	SiN 2x2 MMI	Si 2x2 MMI	Si Variable Optical Attenuator	SiN to Si Spot Size Convertor	Si 2x2 MMI	Si Variable Optical Attenuator	
HP	100 GBaud Differential Modulator	Si Grating Coupler	Si Thermal Optical Phase Shifter	100 GBaud Diff Modulator	80 GBaud Photodetector	Si Variable Optical Attenuator	Si Polarization Beam Rotator Combiner
	56 GBaud Photodetector	SiN Edge Coupler	Si Crossing	110 GBaud Photodetector	Power Monitor Photodetector	Si Crossing	Si Polarization Beam Rotator Splitter
	120 GBaud Photodetector	Si 1x2 MMI	SiN to Si Spot Size Convertor	200 SPP Mod I/O	Si 1x2, 2x2 MMI	Si Grating Coupler	Si Polarization Beam Splitter
	Power Monitor Photodetector	Si 2x2 MMI		56 GBaud Spp Modulator	SiN to Si Spot Size Convertor	SiN Edge Coupler	Si Thermal Opt Phase Shifter