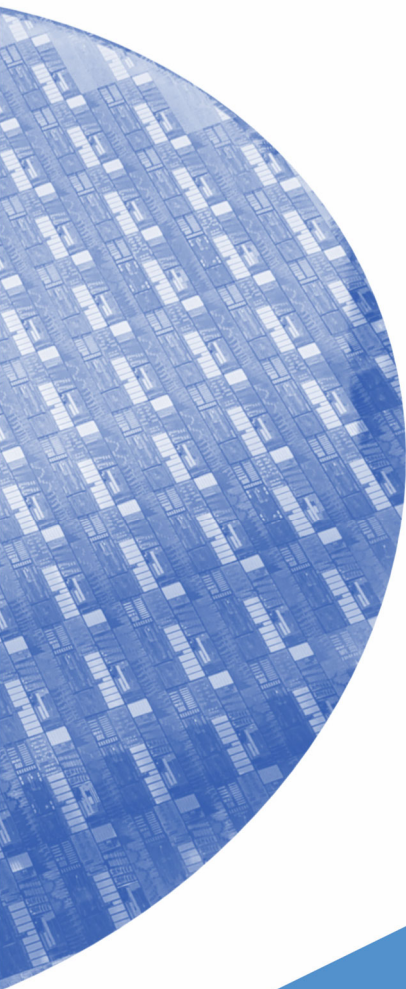




Silicon Photonics MPW Services

Unleash Your Designs



11 Science Park Road
Singapore Science Park II
117685 Singapore

Advanced Micro Foundry is a leading commercial pure-play Silicon Photonics specialty foundry based in Singapore. With over 16-year track record in Silicon Photonics research, AMF's comprehensive MPW services are widely utilized by Silicon Photonics designers, and the ideal platform to validate your designs.



Platforms	Silicon-on-Insulator (SOI)
	Silicon Nitride-on-SOI
Process	193 & 248 lithography
	Deep silicon trench for edge coupling
	6 implantations for high speed modulators
	Germanium epitaxy for photodetectors
	TiN heater and 2 Al metal layers
Oxide cladding open for exposed waveguides in sensing application	
Building Blocks	Waveguides, edge/grating couplers
	Crossing
	Polarization rotator/splitter
	High speed photodetector
	High speed modulator, etc.
PDK Software	Luceda
	Synopsys (PhoeniX OptoDesigner & RSoft OptSim)
	Lumerical

MPW Schedule

Shuttle Run	2021 Run 3	2021 Run 4	2022 Run 1	2022 Run 2	2022 Run 3
GDS Submission Due Date*	01 Jul 2021	01 Oct 2021	15 Jan 2022	01 Apr 2022	01 July 2022

**Please submit GDS early for design rule check. Any DRC violation must be waived by this date.
Please contact us on ad hoc shuttle run requests*

Contact Information

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