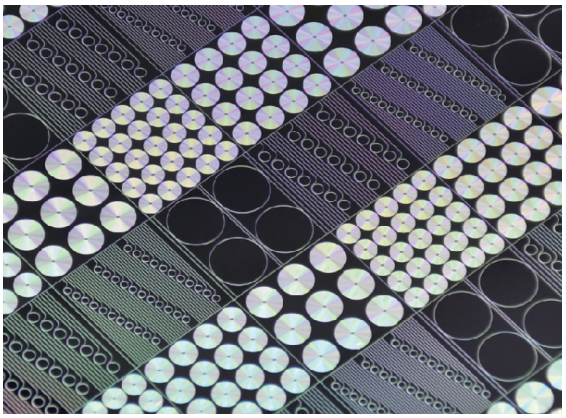
Qaleido Photonics Silicon Nitride Multi-Project Wafer

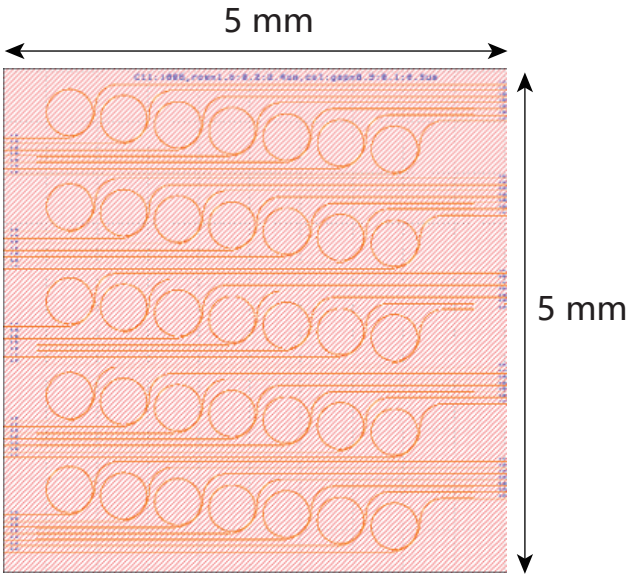


Shenzhen Qaleido Photonics possesses advanced ultralow loss silicon nitride chip production line technology, offering a complete set of autonomous, controllable, mass-producible ultra-low loss silicon nitride wafer services, leading innovation and industrialization of integrated optical chips.

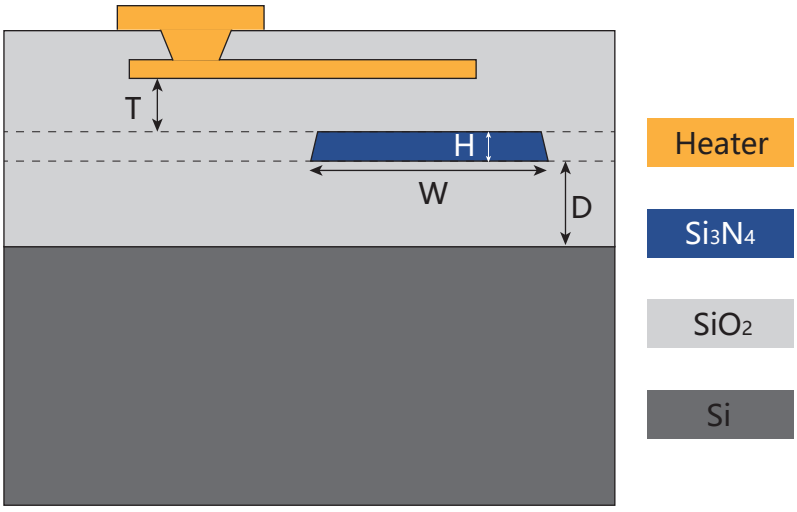
Advantages of Silicon Nitride

- Higher nonlinearity
- No nonlinear absorption
- Micron bending radius
- Flexible dispersion tuning
- Ultra low transmission loss
- Ultra large damage threshold
- Ultra wide transparent window
- Suitable for extreme environments

Chip Top View



Chip Cross-Section



Technical parameters	Indicator
Silicon nitride waveguide thickness	H=300 / 700 / 800 nm
Silica cladding thickness	D=4 μm
Silica top cladding thickness	T=3 μm
Design area unit	5 mm x 5 mm
Number of chips	≥ 14 pieces
Silicon nitride waveguide width	> 250 nm
Waveguide optical loss	< 5 dB/m
End-Facet Coupling Loss	< 3 dB
MicroHeater	Available
Lead time	Within 12 weeks