

# Advanced PLC Components



## Ultra-SFF Athermal AWG

Our precise fabrication realizes minimized PLC with ultra-high-index technology. A small form factor AWG module using the PLC realizes 1/5 of footprint compared with MSA-AWG module.



An Athermal AWG with a small form factor contributes to the power-saving and space-saving.

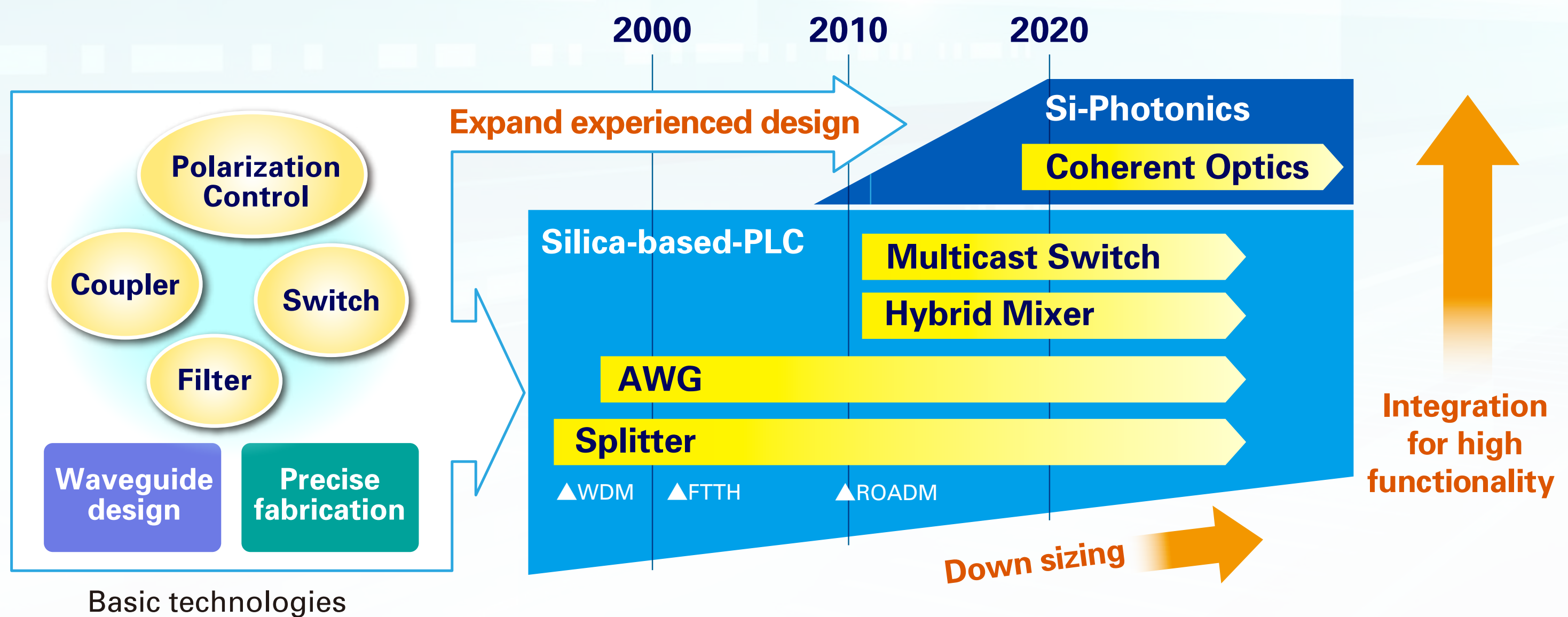
## Multicast Switch

Multicast Switch (MCS) is the solution for CDC-ROADM (color-less, direction-less and contention-less). NTT Electronics has supplied MCSs with dense integration, compact size and high reliability using PLC technology. We provide MCSs with flexible port count configurations according to network applications.



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NTT Electronics is a pioneer of Planar Lightwave Circuit (PLC) devices widely used in telecom, datacenter and mobile networks. Our technology of high-precision and high-index waveguide provides large-scale optical modules and small form-factor chips with high-functionality. The design and integration technologies of Silica-based PLC enable us to provide high value products using Si-Photonics. We will also provide solutions in fields other than communications.



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