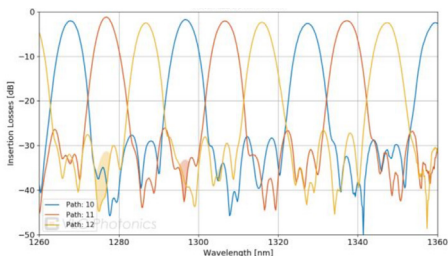
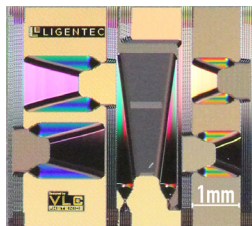



Compact high performance
Arrayed Waveguide Gratings (AWGs)
 in LIGENTEC's low loss silicon nitride platform



TESTED EXEMPLARY PERFORMANCES

| Wavelength | O-band | C-band | 900 nm |
|------------------------|------------------|----------------|--------------------------|
| Insertion loss | 1 dB | 1.5 dB | 4 dB |
| Crosstalk | 35 dB | 30 dB | 35 dB |
| Channel spacing | 4.6 nm 10 nm | 6 nm | 4 nm 10 nm 20 nm |
| Shape | Gaussian | Flat-top | Gaussian |
| FSR | 18.4 nm 30 nm | 24 nm 48 nm | 30 nm 70 nm 140 nm |
| Chip size | 2 x 2 mm | 1 x 2 mm | 1 x 2 mm |

Designed and measured by 

NEED ANY OTHER AWG OPERATION BAND OR PERFORMANCE?
GET IN CONTACT WITH OUR TEAM: info@ligentec.com

YOUR PIC MANUFACTURER

LIGENTEC is your independent Swiss manufacturing partner for Photonic Integrated Circuits (PIC). We provide next generation silicon photonics for customers in high-tech areas such as Communication, Quantum technologies, LiDAR and Sensing. LIGENTEC commercializes the All-Nitride technology, with which LIGENTEC enables the customers to develop their products in the industrial revolution 4.0.

We go with our customer from first prototype to volume fabrication.

MULTI PROJECT WAFERS SERVICE

LIGENTEC enables you an easy way to access our All-Nitride technology for photonic integrated circuits through the Multi Project Wafer (MPW) service and offer low entry barrier to test the low loss technology.

| MPW number | SiN thickness | Registration deadline | Tape-in | Shipping date |
|----------------|---------------|-----------------------|----------|---------------|
| LGT-MPW-IR-12 | 800nm | 01/03/20 | 22/03/20 | 19/06/20 |
| LGT-MPW-IR-13 | 800nm | 01/06/20 | 22/06/20 | 21/09/20 |
| LGT-MPW-IR-14 | 800nm | 01/09/20 | 22/09/20 | 15/12/20 |
| LGT-MPW-IR-15 | 800nm | 13/11/20 | 04/12/20 | 12/03/21 |
| LGT-MPW-VIS-03 | 150nm | 01/06/20 | 22/06/20 | 21/09/20 |

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Stay
Tuned

